HDR-SR5/SR5C/SR5E/SR7/SR7E/SR8/SR8E

RMT-835

SERVICE MANUAL

LEVEL 2

US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model
Hong Kong Model
Chinese Model
Korea Model
Tourist Model
Japanese Model

Ver. 1.4 2008.07
Revision History

About this service manual

Revised-1

Replace the previously issued SERVICE MANUAL 9-852-202-31 with this Manual.

Photo: HDR-SR5

Link

SPECIFICATIONS	DISASSEMBLY	SCHEMATIC DIAGRAMS
MODEL INFORMATION TABLE	BLOCK DIAGRAMS	PRINTED WIRING BOARDS
SERVICE NOTE	FRAME SCHEMATIC DIAGRAM	REPAIR PARTS LIST

- Precaution on Replacing the VC-504 Board
- Precaution on Replacing the CABINET (G) ASSY

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

DIGITAL VIDEO CAMERA RECORDER

SONY®

HDR-SR5/SR5C/SR5E/SR7/SR7E/SR8/SR8E_L2
9-852-202-32
Sony EMCS Co.
2008G0800-1
© 2008.07
Published by Kohda TEC

These specifications are extracted from instruction manual of HDR-SR5E/SR7E/SR8E.

ENGLISH | JAPANESE

SPECIFICATIONS

System

Video compression format
AVCHD (HD)/MPEG2 (SD)/JPEG (Still images)

Audio compression format
Dolby Digital 2/5.1ch
Dolby Digital 5.1 Creator

Video signal
PAL color, CCIR standards
1080/50i specification

Hard disk
HDR-SR5E:
40 GB
HDR-SR7E:
60 GB
HDR-SR8E:
100 GB
When measuring media capacity, 1 GB equals 1 billion bytes, a portion of which is used for data management.

Recording format
Movie (HD): AVCHD 1080/50i
Movie (SD): MPEG2-PS
Still image: Exif Ver.2.2*1

Viewfinder (HDR-SR7E/SR8E)
Electric viewfinder (color)

Image device
HDR-SR5E:
5.9 mm (1/3 type) CMOS sensor
Recording pixels (still image, 4:3):
Max. 4.0 mega (2 304 × 1 728) pixels*2
Gross: Approx. 2 100 000 pixels
Effective (movie, 16:9):
1 430 000 pixels
Effective (movie, 4:3):
1 080 000 pixels
Effective (still image, 16:9):
1 490 000 pixels
Effective (still image, 4:3):
1 990 000 pixels
HDR-SR7E/SR8E:
6.3 mm (1/2.9 type) CMOS sensor
Recording pixels (still image, 4:3):
Max. 6.1 mega (2 848 × 2 136) pixels*2
Gross: Approx. 3 200 000 pixels
Effective (movie, 16:9):
2 280 000 pixels
Effective (movie, 4:3):
1 710 000 pixels
Effective (still image, 16:9):
2 280 000 pixels
Effective (still image, 4:3):
3 040 000 pixels

Lens
Carl Zeiss Vario-Sonnar T*
HDR-SR5E:
10 × (Optical), 20 ×, 80 × (Digital)
HDR-SR7E/SR8E:
10 × (Optical), 20 × (Digital)

Focal length
F1.8 ~ 2.9
Filter diameter: 37 mm (1 1/2 in.)
HDR-SR5E:
f=5.1 ~ 51 mm (7/32 ~ 2 1/8 in.)
When converted to a 35 mm still camera
For movies*3: 41.3 ~ 485 mm (1 11/16 ~ 19 1/8 in.) (16:9), 50.5 ~ 594 mm (2 ~ 23 1/2 in.) (4:3)
For still images: 40.4 ~ 404 mm (1 5/8 ~ 16 in.) (16:9), 37 ~ 370 mm (1 1/2 ~ 14 5/8 in.) (4:3)
HDR-SR7E/SR8E:
f=5.4 ~ 54 mm (7/32 ~ 2 1/4 in.) When converted to a 35 mm still camera
For movies: 40 ~ 400 mm (1 5/8 ~ 15 3/4 in.) (16:9), 49 ~ 490 mm (1 15/16 ~ 19 3/8 in.) (4:3)
For still images: 40 ~ 400 mm (1 5/8 ~ 15 3/4 in.) (16:9), 37 ~ 370 mm (1 1/2 ~ 14 5/8 in.) (4:3)

Color temperature
[AUTO], [ONE PUSH],
[INDOOR] (3 200 K),
[OUTDOOR] (5 800 K)

Minimum illumination
2 lx (lux) ([AUTO SLW SHUTTR] [ON], Shutter speed 1/25 sec)
0 lx (lux) (during NightShot function)

*1 "Exif" is a file format for still images, established by the JEITA (Japan Electronics and Information Technology Industries Association). Files in this format can have additional information such as your camcorder's setting information at the time of recording.

*2 The unique pixel array of Sony's ClearVid CMOS sensor and image processing system (new Enhanced Imaging Processor) allows for still image resolution equivalent to the sizes described.

*3 The focal length figures are actual figures resulting from wide angle pixel read-out.

Input/Output connectors

Audio/Video output
10-pin connector
Video signal: 1 Vp-p, 75Ω (ohms)
Luminance signal: 1 Vp-p, 75Ω (ohms)
Chrominance signal: 0.3 Vp-p, 75Ω (ohms)
Audio signal: 327 mV (at load impedance 47 kΩ (kilohms)), Output impedance with less than 2.2 kΩ (kilohms)

COMPONENT OUT jack
Y: 1 Vp-p, 75Ω (ohms)
PB/PR, CB/CR: ± 350 mV, 75Ω (ohms)

HDMI OUT jack
HDMI Type C mini connector

Headphone jack (HDR-SR7E/SR8E)
Stereo minijack (Ø 3.5 mm)

MIC input jack (HDR-SR7E/SR8E)
Stereo minijack (Ø 3.5 mm)

REMOTE jack
Stereo mini-minijack (Ø 2.5 mm)

LCD screen

Image
6.7 cm (2.7 type, aspect ratio 16:9)

Total dot number
211 200 (960 × 220)

General

Power requirements
DC 6.8 V/7.2 V (battery pack)
DC 8.4 V (AC Adaptor)

Average power consumption
HDR-SR5E:
During camera recording using the LCD with normal brightness:
HD: 4.0 W SD: 3.5 W
HDR-SR7E/SR8E:
During camera recording using the viewfinder with normal brightness:
HD: 4.4 W SD: 3.9 W
During camera recording using the LCD with normal brightness:
HD: 4.6 W SD: 4.1 W

Operating temperature
0 ˚C to + 40 ˚C (32 ˚F to 104 ˚F)

Storage temperature
-20 ˚C to + 60 ˚C (-4 ˚F to + 140 ˚F)

Dimensions (approx.)
HDR-SR5E:
75 × 81 × 135 mm
(3 × 3 1/4 × 5 3/8 in.) (w/h/d)
including the projecting parts
75 × 81 × 140 mm
(3 × 3 1/4 × 5 5/8 in.) (w/h/d)
including the projecting parts, and the NP-FH60 rechargeable battery pack attached
HDR-SR7E/SR8E:
75 × 81 × 144 mm
(3 × 3 1/4 × 5 3/4 in.) (w/h/d)
including the projecting parts
75 × 81 × 149 mm
(3 × 3 1/4 × 5 7/8 in.) (w/h/d)
including the projecting parts, and the NP-FH60 rechargeable battery pack attached

Mass (approx.)
HDR-SR5E:
460 g (1 lb) main unit only
540 g (1 lb 3 oz) including the NP-FH60 rechargeable battery pack
HDR-SR7E/SR8E:
530 g (1 lb 2 oz) main unit only
610 g (1 lb 5 oz) including the NP-FH60 rechargeable battery pack

Supplied accessories
- AC Adaptor (1)
- Mains lead (1)
- Handycam Station (1)
- Component video cable (1)
- A/V connecting cable (1)
- USB cable (1)
- Wireless Remote Commander (1)
  A button-type lithium battery is already installed.
- Rechargeable battery pack NP-FH60 (1)
- 21-pin adaptor (1)
  For the models with the CE mark printed on their bottom surfaces only.
- CD-ROM "Handycam Application Software" (1)
  – Picture Motion Browser (Software)
  – Picture Motion Browser Guide
  – Handycam Handbook (PDF)
- Operating Guide (1)

Handycam Station DCRA-C181

Input/Output connectors

Audio/Video output
10-pin connector
Video signal: 1 Vp-p, 75Ω (ohms)
Luminance signal: 1 Vp-p, 75Ω (ohms)
Chrominance signal: 0.3 Vp-p, 75Ω (ohms)
Audio signal: 327 mV (at load impedance 47 kΩ (kilohms)), Output impedance less than 2.2 kΩ (kilohms)

COMPONENT OUT jack
Y: 1 Vp-p, 75Ω (ohms)
PB/PR, CB/CR: ± 350 mV, 75Ω (ohms)

USB jack
mini-B

AC Adaptor AC-L200/L200B

Power requirements
AC 100 V - 240 V, 50/60 Hz

Current consumption
0.35 - 0.18 A

Power consumption
18 W

Output voltage
DC 8.4 V*

Operating temperature
0 ˚C to + 40 ˚C (32 ˚F to 104 ˚F)

Storage temperature
-20 ˚C to + 60 ˚C (-4 ˚F to + 140 ˚F)

Dimensions (approx.)
48 × 29 × 81 mm
(1 15/16 × 1 3/16 × 3 1/4 in.) (w/h/d)
excluding the projecting parts

Mass (approx.)
170 g (6.0 oz) excluding the mains lead

* See the label on the AC Adaptor for other specifications.

Rechargeable battery pack NP-FH60

Maximum output voltage
DC 8.4 V

Output voltage
DC 7.2 V

Capacity
7.2 Wh (1 000 mAh)

Dimensions (approx.)
31.8 × 33.3 × 45.0 mm
(1 5/16 × 1 5/16 × 1 13/16 in.) (w/h/d)

Mass (approx.)
80 g (2.9 oz)

Operating temperature
0 ˚C to + 40 ˚C (32 ˚F to 104 ˚F)

Type
Lithium ion

Design and specifications are subject to change without notice.

These specifications are extracted from instruction manual of HDR-SR5/SR5C/SR7/SR8.

ENGLISH | JAPANESE

SPECIFICATIONS

System

Video compression format
AVCHD (HD)/MPEG2 (SD)/JPEG (Still images)

Audio compression format
Dolby Digital 2/5.1ch
Dolby Digital 5.1 Creator

Video signal
NTSC color, EIA standards
1080/60i specification

Hard disk
HDR-SR5:
40 GB
HDR-SR5C:
100 GB
HDR-SR7:
60 GB
HDR-SR8:
100 GB
When measuring media capacity, 1 GB equals 1 billion bytes, a portion of which is used for data management.

Recording format
Movie (HD): AVCHD 1080/60i
Movie (SD): MPEG2-PS
Still image: Exif Ver.2.2*1

Viewfinder (HDR-SR7/SR8)
Electric viewfinder (color)

Image device
HDR-SR5/SR5C:
5.9 mm (1/3 type) CMOS sensor
Recording pixels (still image, 4:3):
Max. 4.0 mega (2 304 × 1 728) pixels*2
Gross: Approx. 2 100 000 pixels
Effective (movie, 16:9):
1 430 000 pixels
Effective (movie, 4:3):
1 080 000 pixels
Effective (still image, 16:9):
1 490 000 pixels
Effective (still image, 4:3):
1 990 000 pixels
HDR-SR7/SR8:
6.3 mm (1/2.9 type) CMOS sensor
Recording pixels (still image, 4:3):
Max. 6.1 mega (2 848 × 2 136) pixels*2
Gross: Approx. 3 200 000 pixels
Effective (movie, 16:9):
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Effective (movie, 4:3):
1 710 000 pixels
Effective (still image, 16:9):
2 280 000 pixels
Effective (still image, 4:3):
3 040 000 pixels

Lens
Carl Zeiss Vario-Sonnar T*
HDR-SR5/SR5C:
10 × (Optical), 20 ×, 80 × (Digital)
HDR-SR7/SR8:
10 × (Optical), 20 × (Digital)

Focal length
F1.8 ~ 2.9
Filter diameter: 37 mm (1 1/2 in.)
HDR-SR5/SR5C:
f=5.1 ~ 51 mm (7/32 ~ 2 1/8 in.)
When converted to a 35 mm still camera
For movies*3: 41.3 ~ 485 mm (1 11/16 ~ 19 1/8 in.) (16:9), 50.5 ~ 594 mm (2 ~ 23 1/2 in.) (4:3)
For still images: 40.4 ~ 404 mm (1 5/8 ~ 16 in.) (16:9), 37 ~ 370 mm (1 1/2 ~ 14 5/8 in.) (4:3)
HDR-SR7/SR8:
f=5.4 ~ 54 mm (7/32 ~ 2 1/4 in.) When converted to a 35 mm still camera
For movies: 40 ~ 400 mm (1 5/8 ~ 15 3/4 in.) (16:9), 49 ~ 490 mm (1 15/16 ~ 19 3/8 in.) (4:3)
For still images: 40 ~ 400 mm (1 5/8 ~ 15 3/4 in.) (16:9), 37 ~ 370 mm (1 1/2 ~ 14 5/8 in.) (4:3)

Color temperature
[AUTO], [ONE PUSH],
[INDOOR] (3 200 K),
[OUTDOOR] (5 800 K)

Minimum illumination
2 lx (lux) ([AUTO SLW SHUTTR] [ON], Shutter speed 1/30 sec)
0 lx (lux) (during NightShot function)

*1 "Exif" is a file format for still images, established by the JEITA (Japan Electronics and Information Technology Industries Association). Files in this format can have additional information such as your camcorder's setting information at the time of recording.

*2 The unique pixel array of Sony's ClearVid CMOS sensor and image processing system (new Enhanced Imaging Processor) allows for still image resolution equivalent to the sizes described.

*3 The focal length figures are actual figures resulting from wide angle pixel read-out.

Input/Output connectors

Audio/Video output
10-pin connector
Video signal: 1 Vp-p, 75Ω (ohms)
Luminance signal: 1 Vp-p, 75Ω (ohms)
Chrominance signal: 0.286 Vp-p, 75Ω (ohms)
Audio signal: 327 mV (at load impedance 47 kΩ (kilohms)), Output impedance with less than 2.2 kΩ (kilohms)

COMPONENT OUT jack
Y: 1 Vp-p, 75Ω (ohms)
PB/PR, CB/CR: ± 350 mV, 75Ω (ohms)

HDMI OUT jack
HDMI Type C mini connector

Headphone jack (HDR-SR7/SR8)
Stereo minijack (Ø 3.5 mm)

MIC input jack (HDR-SR7/SR8)
Stereo minijack (Ø 3.5 mm)

REMOTE jack
Stereo mini-minijack (Ø 2.5 mm)

LCD screen

Image
6.7 cm (2.7 type, aspect ratio 16:9)

Total dot number
211 200 (960 × 220)

General

Power requirements
DC 6.8 V/7.2 V (battery pack)
DC 8.4 V (AC Adaptor)

Average power consumption
HDR-SR5/SR5C:
During camera recording using the LCD with normal brightness:
HD: 4.2 W SD: 3.6 W
HDR-SR7/SR8:
During camera recording using the viewfinder with normal brightness:
HD: 4.5 W SD: 4.0 W
During camera recording using the LCD with normal brightness:
HD: 4.7 W SD: 4.2 W

Operating temperature
0 °C to + 40 °C (32 °F to 104 °F)

Storage temperature
-20 °C to + 60 °C (-4 °F to + 140 °F)

Dimensions (approx.)
HDR-SR5/SR5C:
75 × 81 × 135 mm
(3 × 3 1/4 × 5 3/8 in.) (w/h/d)
including the projecting parts
75 × 81 × 140 mm
(3 × 3 1/4 × 5 5/8 in.) (w/h/d)
including the projecting parts, and the NP-FH60 rechargeable battery pack attached
HDR-SR7/SR8:
75 × 81 × 144 mm
(3 × 3 1/4 × 5 3/4 in.) (w/h/d)
including the projecting parts
75 × 81 × 149 mm
(3 × 3 1/4 × 5 7/8 in.) (w/h/d)
including the projecting parts, and the NP-FH60 rechargeable battery pack attached

Mass (approx.)
HDR-SR5/SR5C:
460 g (1 lb) main unit only
540 g (1 lb 3 oz) including the NP-FH60 rechargeable battery pack
HDR-SR7/SR8:
530 g (1 lb 2 oz) main unit only
610 g (1 lb 5 oz) including the NP-FH60 rechargeable battery pack

Supplied accessories
- AC Adaptor (1)
- Mains lead (1)
- Handycam Station (1)
- Component video cable (1)
- A/V connecting cable (1)
- USB cable (1)
- Wireless Remote Commander (1)
  A button-type lithium battery is already installed.
- Rechargeable battery pack NP-FH60 (1)
- CD-ROM "Handycam Application Software" (1)
  – Picture Motion Browser (Software)
  – Picture Motion Browser Guide
  – Handycam Handbook (PDF)
- Operating Guide (1)

Handycam Station DCRA-C181

Input/Output connectors

Audio/Video output
10-pin connector
Video signal: 1 Vp-p, 75Ω (ohms)
Luminance signal: 1 Vp-p, 75Ω (ohms)
Chrominance signal: 0.286 Vp-p, 75Ω (ohms)
Audio signal: 327 mV (at load impedance 47 kΩ (kilohms)), Output impedance less than 2.2 kΩ (kilohms)

COMPONENT OUT jack
Y: 1 Vp-p, 75Ω (ohms)
PB/PR, CB/CR: ± 350 mV, 75Ω (ohms)

USB jack
mini-B

AC Adaptor AC-L200/L200B

Power requirements
AC 100 V - 240 V, 50/60 Hz

Current consumption
0.35 - 0.18 A

Power consumption
18 W

Output voltage
DC 8.4 V*

Operating temperature
0 °C to + 40 °C (32 °F to 104 °F)

Storage temperature
-20 °C to + 60 °C (-4 °F to + 140 °F)

Dimensions (approx.)
48 × 29 × 81 mm
(1 15/16 × 1 3/16 × 3 1/4 in.) (w/h/d)
excluding the projecting parts

Mass (approx.)
170 g (6.0 oz) excluding the power cord

* See the label on the AC Adaptor for other specifications.

Rechargeable battery pack NP-FH60

Maximum output voltage
DC 8.4 V

Output voltage
DC 7.2 V

Capacity
7.2 Wh (1 000 mAh)

Dimensions (approx.)
31.8 × 33.3 × 45.0 mm
(1 5/16 × 1 5/16 × 1 13/16 in.) (w/h/d)

Mass (approx.)
80 g (2.9 oz)

Operating temperature
0 °C to + 40 °C (32 °F to 104 °F)

Type
Lithium ion

Design and specifications are subject to change without notice.

自己診断搭載機種 AVCHD MEMORY STICK InfoLITHIUM H SERIES HDMI

概略仕様

システム

映像圧縮方式
AVCHD(HD)/MPEG2(SD)/JPEG(静止画)

音声圧縮方式
Dolby Digital2/5.1ch
ドルビーデジタル5.1クリエーター搭載

映像信号
NTSCカラー、EIA標準方式
1080/60i方式

ハードディスク
HDR-SR7
60 GB
HDR-SR8
100 GB
容量は、1GBを10億バイトで計算した場合の数値です。また管理用ファイルなどを含むため、実際使用できる容量は若干減少する場合があります。

動画記録方式
動画HD:AVCHD 1080/60i
動画SD:MPEG2-PS

静止画記録方式
Exif Ver.2.2*

ファインダー
電子ファインダー:カラー

撮像素子
6.3 mm(1/2.9型)CMOSセンサー
記録画素数:静止画時最大610万画素相当**
(2 848×2 136)(4:3時)
総画素数:約320万画素
動画時有効画素数(16:9モード):約228万画素
動画時有効画素数(4:3モード):約171万画素
静止画時有効画素数(16:9モード):約228万画素
静止画時有効画素数(4:3モード):約304万画素

ズームレンズ
カール ツァイス バリオゾナーT*
10倍(光学)、20倍(デジタル)
フィルター径37 mm
F1.8〜2.9
f=5.4〜54 mm
35mmカメラ換算では動画撮影時
40〜400 mm(16:9モード)
(4:3モードでは49〜490 mm)
静止画撮影時:
40〜400 mm(16:9モード)
(4:3モードでは37〜370 mm)

色温度切り換え
[オート]、[ワンプッシュ]、[屋内](3 200 K)、[屋外](5 800 K)

最低被写体照度
5 lx(ルクス)([オートスロシャッタ][入]、[シャッタースピード]1/30秒)
0 lx(ルクス)(NightShot時)

* (社)電子情報技術産業協会(JEITA)にて制定された、撮影情報などの付帯情報を追加することができる静止画用のファイルフォーマット。

**ソニー独自のクリアビッドCMOSセンサーの画素配列と画像処理システム新エンハンスドイメージングプロセッサーにより、静止画は表記の記録サイズを実現しています。

入/出力端子

A/V OUT**端子**
10ピン特殊コネクター
映像:1 Vp-p、75 Ω
Y出力:1 Vp-p、75 Ω
C出力:0.286 Vp-p、75 Ω
音声:327 mV(47 kΩ負荷時)、出力インピーダンス2.2 kΩ以下

COMPONENT OUT**端子**
D1/D3映像:コンポーネントビデオ端子
Y:1 Vp-p、75 Ω
P_B/P_R、C_B/C_R:±350 mV、75 Ω

HDMI OUT**端子**
HDMIタイプCミニ端子

ヘッドホン端子
ステレオミニジャック(ø 3.5 mm)

MIC**入力端子**
ステレオミニジャック(ø 3.5 mm)

REMOTE**端子**
ステレオミニミニジャック(ø 2.5 mm)

液晶画面

画面サイズ
6.7 cm(2.7型、アスペクト比16:9)

総ドット数
211 200ドット
横960×縦220

電源部、その他

電源電圧
バッテリー端子入力 6.8 V/7.2 V
DC端子入力 8.4 V

消費電力
ファインダー使用時、明るさ標準:
HD:4.5 W SD:4.0 W
液晶画面使用時、明るさ標準:
HD:4.7 W SD:4.2 W

動作温度
0 ℃〜+40 ℃

保存温度
−20 ℃〜+60 ℃

外形寸法
75×81×144 mm
(突起部を含む)
(幅×高さ×奥行き)
75×81×149 mm
(突起部を含む、付属バッテリーNP-FH60装着状態)
(幅×高さ×奥行き)

本体質量
約530 g(本体のみ)

撮影時総質量
約610 g(バッテリーNP-FH60含む。)

付属品
- ACアダプター(1)
- 電源コード (1)
- ハンディカムステーション(1)
- D端子コンポーネントビデオケーブル(1)
- AV接続ケーブル (1)
- USBケーブル (1)
- ワイヤレスリモコン (1)
- リチャージャブルバッテリーパック NP-FH60**(1)**
- CD-ROM「Handycam Application Software」**(1)**
  - 「Picture Motion Browser」(ソフトウェア)
  - 「Picture Motion Browser ガイド」
  - 「ハンディカム ハンドブック」(PDF)
- 取扱説明書 (1)
- 保証書 (1)

ハンディカムステーション **DCR A-C180**

入/出力端子

A/V OUT端子
10ピン特殊コネクター
映像:1 Vp-p、75 Ω
Y出力:1 Vp-p、75 Ω
C出力:0.286 Vp-p、75 Ω
音声:327 mV(47 kΩ負荷時)、出力インピーダンス2.2 kΩ以下

COMPONENT OUT端子
D1/D3映像:コンポーネントビデオ端子
Y:1 Vp-p、75 Ω
P_B/P_R、C_B/C_R:±350 mV、75 Ω

USB 端子
mini-B

ACアダプター AC-L200/L200B

電源
AC 100 V〜240 V、50/60 Hz

消費電力
18 W

定格出力
DC 8.4 V *

動作温度
0 ℃〜+40 ℃

保存温度
−20 ℃〜+60 ℃

外形寸法
約 48×29×81 mm(最大突起部をのぞく)
(幅×高さ×奥行き)

質量
約170 g(本体のみ)

* その他の仕様については AC アダプターのラベルをご覧ください。

リチャージャブルバッテリーパック **NP-FH60**

最大電圧
DC 8.4 V

公称電圧
DC 7.2 V

容量
7.2 Wh(1 000 mAh)

最大外形寸法
約31.8×33.3×45.0 mm
(幅×高さ×奥行き)

質量
約80 g

使用温度
0 ℃〜+40 ℃

使用電池
Li-ion

本機の仕様および外観は、改良のため予告なく変更することがありますが、ご了承ください。

Model information table

Model	SR5	SR5C	SR5E	SR7
Destination	US, CND, KR, E, JE	US	AEP, UK, CH, HK, AUS, E, JE	US, CND, KR, E, JE, J
Color system	NTSC	NTSC	PAL	NTSC
HDD	40G	100G	40G	60G
Viewfinder	×	×	×	○
HP jack/MIC jack	×	×	×	○
CM board	CM-076	CM-076	CM-076	CM-077
BL board	×	×	×	BL-013

Model	SR7E	SR8	SR8E
Destination	AEP, UK, CH, HK, AUS, E, JE	US, CND, KR, E, JE, J	AEP, UK, CH, HK, AUS, E, JE
Color system	PAL	NTSC	PAL
HDD	60G	100G	100G
Viewfinder	○	○	○
HP jack/MIC jack	○	○	○
CM board	CM-077	CM-077	CM-077
BL board	BL-013	BL-013	BL-013

- Abbreviation
  AR : Argentine model
  AUS : Australian model
  BR : Brazilian model
  CH : Chinese model
  CND : Canadian model
  EE : East European model
  HK : Hong Kong model
  J : Japanese model
  JE : Tourist model
  KR : Korea model
  MX : Mexican model
  NE : North European model

CAUTION
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈSES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPÉMENTS PUBLIÉS PAR SONY.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer.

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
4. Look for parts which, through functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
5. Check the B+ voltage to see it is at the values specified.
6. Flexible Circuit Board Repairing
   - Keep the temperature of the soldering iron around 270˚C during repairing.
   - Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
   - Be careful not to apply force on the conductor when soldering or unsoldering.

Unleaded solder

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size.)

: LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40°C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350°C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
  Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

注意
電池の交換は，正しく行わないと破裂する恐れがあります。電池を交換する場合には必ず同じ型名の電池又は同等品と交換してください。

サービス，点検時には次のことにご注意下さい。

1. **注意事項をお守りください。**
   サービスのとき特に注意を要する個所については，キャビネット，シャーシ，部品などにラベルや捺印で注意事項を表示しています。これらの注意書き及び取扱説明書等の注意事項を必ずお守り下さい。
2. **指定部品のご使用を**
   セットの部品は難燃性や耐電圧など安全上の特性を持ったものとなっています。従って交換部品は，使用されていたものと同じ特性の部品を使用して下さい。特に回路図，部品表に⚠印で指定されている安全上重要な部品は必ず指定のものをご使用下さい。
3. **部品の取付けや配線の引きまわしはもとどおりに**
   安全上，チューブやテープなどの絶縁材料を使用したり，プリント基板から浮かして取付けた部品があります。また内部配線は引きまわしやクランパによって発熱部品や高圧部品に接近しないよう配慮されていますので，これらは必ずもとどおりにして下さい。
4. **サービス後は安全点検を**
   サービスのために取外したネジ，部品，配線がもとどおりになっているか，またサービスした個所の周辺を劣化させてしまったところがないかなどを点検し，安全性が確保されていることを確認して下さい。
5. **チップ部品交換時の注意**
   - 取外した部品は再使用しないで下さい。
   - タンタルコンデンサのマイナス側は熱に弱いため交換時は注意して下さい。
6. **フレキシブルプリント基板の取扱いについて**
   - コテ先温度を270℃前後にして行なって下さい。
   - 同一パターンに何度もコテ先を当てないで下さい。（３回以内）
   - パターンに力が加わらないよう注意して下さい。
7. **無鉛半田について**
   無鉛半田を使用している基板には，無鉛（Lead Free）を意味するレッドフリーマークがプリントされています。
   （注意：基板サイズによっては，無鉛半田を使用していてもレッドフリーマークがプリントされていないものがあります）
   ：レッドフリーマーク
   無鉛半田には，以下の特性があります。
   - 融点が従来の半田よりも約40℃高い。
     従来の半田こてをそのまま使用することは可能ですが，少し長めにこてを当てる必要があります。
     温度調節機能のついた半田こてを使用する場合，約350℃に設定して下さい。
     注意：半田こてを長く当てすぎると，基板のパターン（銅箔）がはがれてしまうことがありますので，注意して下さい。
   - 粘性が強い
     従来の半田よりも粘性が強いため，IC端子などが半田ブリッジしないように注意して下さい。
   - 従来の半田と混ぜて使用可能
     無鉛半田には無鉛半田を追加するのが最適ですが，従来の半田を追加しても構いません。

1. SERVICE NOTE

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1-1. POWER SUPPLY DURING REPAIRS

In this unit, about 10 seconds after power is supplied to the battery terminal using the regulated power supply (8.4V), the power is shut off so that the unit cannot operate.
These following method is available to prevent this.

Method:
Use the AC power adaptor (AC-L200/L200B).

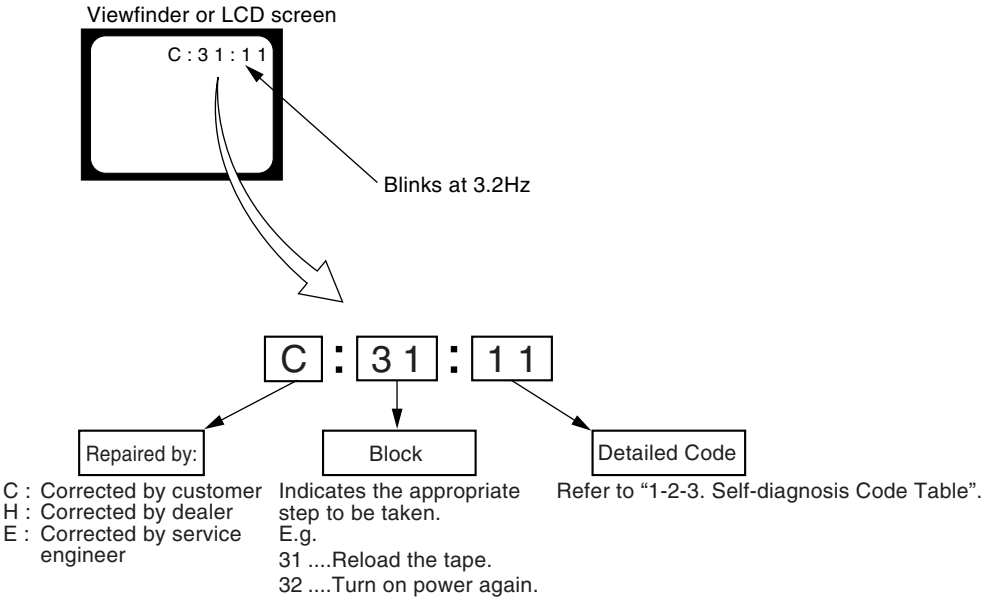
1-2. SELF-DIAGNOSIS FUNCTION

1-2-1. Self-diagnosis Function

When problems occur while the unit is operating, the self-diagnosis function starts working, and displays on the Viewfinder or the LCD screen what to do. This function consists of two display; self-diagnosis display and service mode display.
Details of the self-diagnosis functions are provided in the Instruction manual.

1-2-2. Self-diagnosis Display

When problems occur while the unit is operating, the counter of the Viewfinder or the LCD screen shows a 4-digit display consisting of an alphabet and numbers, which blinks at 3.2 Hz. This 5-character display indicates the “repaired by:”, “block” in which the problem occurred, and “detailed code” of the problem.


Viewfinder or LCD screen
C : 3 1 : 1 1
Blinks at 3.2Hz
C : 3 1 : 1 1
Repaired by:
Block
Detailed Code
C : Corrected by customer
H : Corrected by dealer
E : Corrected by service engineer
Indicates the appropriate step to be taken.
E.g.
31 ....Reload the tape.
32 ....Turn on power again.
Refer to “1-2-3. Self-diagnosis Code Table”.

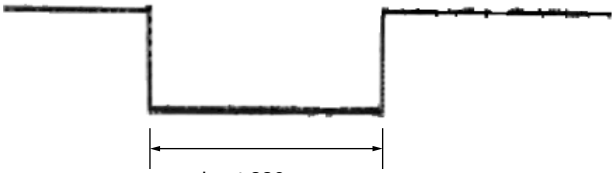
1-2-3. Self-diagnosis Code Table

Self-diagnosis Code					Symptom/State	Correction
Repaired by:	Block Function		Detailed Code			
C	0	4	0	0	Non-standard battery is used.	Use the InfoLITHIUM battery.
C	1	3	0	1	"Memory Stick Duo" is unformatted. "Memory Stick Duo" is broken.	Format the "Memory Stick Duo". Insert a new "Memory Stick Duo".
C	1	3	0	2	Disc access error	Remove the power source. Reconnect it again and operate your camcorder again
C	3	2	6	0	Difficult to adjust focus (Cannot initialize focus)	Retry turn the power on by the power switch. If it does not recover, check the focus MR sensor of lens block (pin ⑲, ㉑ of CN5302 on the LD-228 board: SR5/SR5C/SR5E, pin ⑯, ⑱ of CN5301 on the LD-228 board: SR7/SR7E/SR8/SR8E). If it is OK, check the focus motor drive IC (IC5404 on the LD-228 board).
E	2	0	0	0	EEPROM data are rewritten.	Make EEPROM data correct value.
E	3	1	0	0	Drive fault	Inspect or replacement of the hard disk drive.
E	6	1	1	0	Zoom operations fault (Cannot initialize zoom lens.)	Inspect the lens block zoom MR sensor (pin ⑯, ⑱ of CN5302 on the LD-228 board: SR5/SR5C/SR5E, pin ⑳, ㉑ of CN5301 on the LD-228 board: SR7/SR7E/SR8/SR8E) when zooming is performed when the zoom lever is operated, and the zoom motor drive circuit (IC5404 on the LD-228 board) when zooming is not performed.
E	6	1	1	1	The abnormalities in initialization of the focus lens and the abnormalities in initialization of the zoom lens occurred simultaneously.	Check both C: 32: 60 and E: 61: 10 of the self-diagnosis code.
E	6	2	0	0	Handshake correction function does not work well. (With PITCH angular velocity sensor output stopped.)	Inspect PITCH angular velocity sensors (SE8202 on the CM-076 board: SR5/SR5C/SR5E, SE7202 on the CM-077 board: SR7/SR7E/SR8/SR8E) peripheral circuits.
E	6	2	0	1	Handshake correction function does not work well. (With YAW angular velocity sensor output stopped.)	Inspect YAW angular velocity sensors (SE8201 on the CM-076 board: SR5/SR5C/SR5E, SE7201 on the CM-077 board: SR7/SR7E/SR8/SR8E) peripheral circuits.
E	6	2	0	2	Abnormality of IC for steadyshot.	Refer to [1-3-1. E : 62 : 02 (Abnormality of IC for Steadyshot) Occurred] (SR7/SR7E/SR8/SR8E only).
E	6	2	0	3	IC for steadyshot and micro controller communication abnormality among.	Inspect the steadyshot circuit (IC5703 on the LD-228 board) (SR7/SR7E/SR8/SR8E only).
E	6	2	1	0	Shift lens initializing failure.	SR7/SR7E/SR8/SR8E only: 1. Inspect the EEPROM (IC1804 on the VC-504 board). 2. Perform the STEADY HALL adjustment. (Note 1) 3. Replace the lens block. (Note 2)
E	6	2	1	1	Shift lens overheating (Pitch).	Refer to [1-3-2. E : 62 : 11 (Shift Lens Overheating (Pitch)) Occurred] (SR7/SR7E/SR8/SR8E only).
E	6	2	1	2	Shift lens overheating (Yaw).	Refer to [1-3-3. E : 62 : 12 (Shift Lens Overheating (Yaw)) Occurred] (SR7/SR7E/SR8/SR8E only).
E	6	2	2	0	Abnormality of thermistor.	Refer to [1-3-4. E : 62 : 20 (Abnormality of Thermistor) Occurred] (SR7/SR7E/SR8/SR8E only).
E	9	1	0	1	Abnormality when flash is being charged.	Checking of flash unit or replacement of flash unit.
E	9	4	0	0	Fault of writing to or erasing the flashmemory	Inspect the flash memory (IC2201 on the VC-504 board).

Note 1: Perform adjustment by referring to "STEADY HALL Adjustment" in Service Manual, ADJ. After the adjustment, be sure to perform "GYRO Sensor Sensitivity Adjustment".

Note 2: When the lens block was replaced, execute the necessary adjustment items referring to Service Manual, ADJ. After the adjustment, make sure with the STEADYSHOT turned ON that the steadyshot functions appropriately in the handheld operation.

1-3. METHOD OF COPING WITH SHIFT LENS ERROR (SR7/SR7E/SR8/SR8E)



Note: The length of low section will vary a little depending on the conditions.

Fig. 2
Change in output voltage of R5792 on the LD-228 board

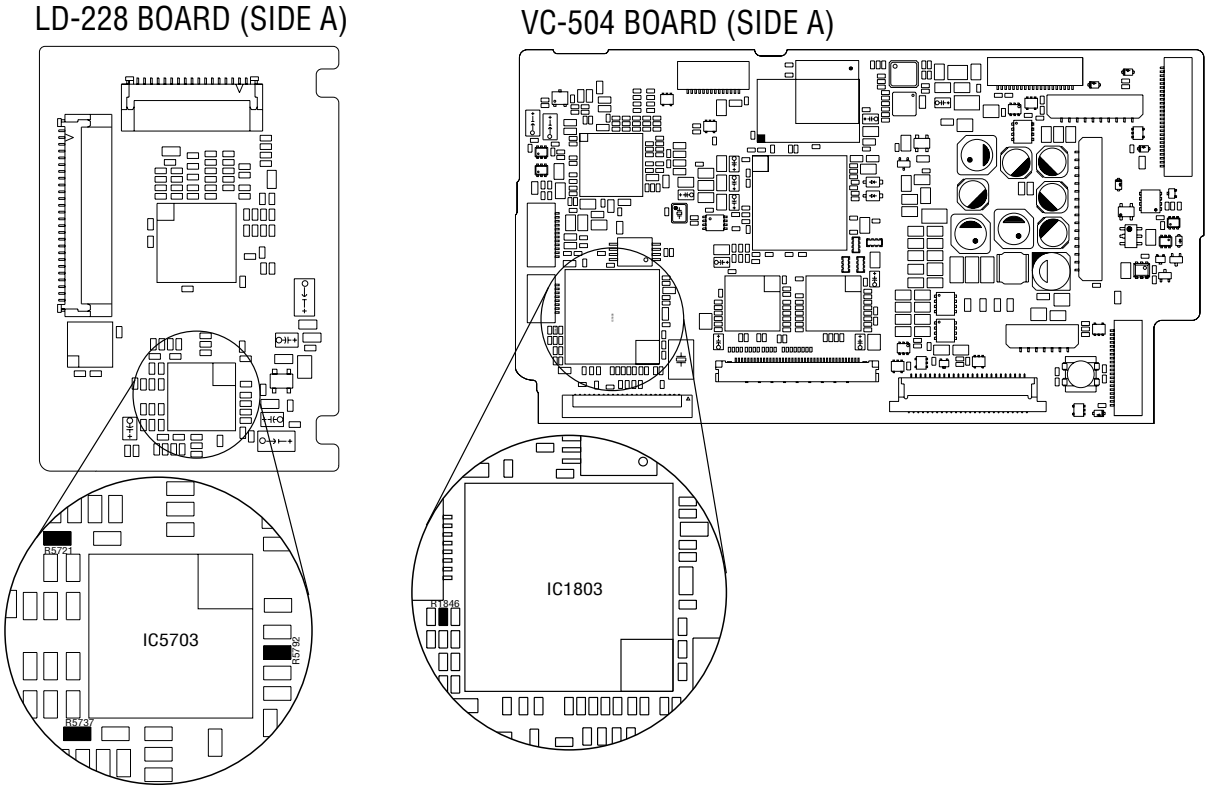


Fig. 1
Measurement points on the LD-228 board and the VC-504 board

1-3-1. E : 62 : 02 [Abnormality of IC for Steadyshot] Occurred (SR7/SR7E/SR8/SR8E)

Order	Procedure
1	Turn the power OFF.
2	While measuring with an oscilloscope the output voltage of R5792 in the periphery of IC5703 on the LD-228 board, turn the power ON to check that the output voltage immediately after the power on change as shown in Fig. 2.
3	If the output voltage change as shown in Fig. 2, replace the lens block (Note). If it does not change as shown in Fig. 2, inspect the camera control circuit (IC1803 of VC-504 board) periphery.

Note: When the lens block was replaced, execute a necessary adjustment items referring to Service Manual, ADJ.
After the adjustment, make sure with the STEADYSHOT turned ON that the steadyshot functions appropriately in the handheld operation.

1-3-2. E : 62 : 11 [Shift Lens Overheating (Pitch)] Occurred (SR7/SR7E/SR8/SR8E)

Connect by the SeusEX and perform the following process.

Order	Block	Page	Address	Data	Procedure
1	11	80	6BB2	01	Write the data.
2	11	80	7D46	F0	Write the data.
3	11	80	7D48	01	Write the data. (Note 1)
4	11	80	7D48	00	Write the data.
5	11	80	7D46	10	Write the data.
6	11	80	7D48	01	Write the data. (Note 1)
7	11	80	7D48	00	Write the data.
8	11	80	6BB2	00	Write the data.
9					Check if the shift lens moves while setting the order 2 to 7. If the shift lens does not move, replace the lens block (Note 2). When the shift lens moved, proceed to the order 10.
10					While setting the order 2 to 7, measure with an oscilloscope the output voltage of R5721 in the periphery of IC5703 on the LD-228 board to check the output voltage varies.
11					If the output voltage does not vary, replace the lens block (Note 2). When the output voltage varied, proceed to the order 12.
12					Turn the power OFF.
13					While measuring with an oscilloscope the output voltage of R5792 in the periphery of IC5703 on the LD-228 board, turn the power ON to check that the output voltage immediately after the power on change as shown in Fig. 2.
14					If the output voltage change as shown in Fig. 2, replace the lens block (Note 2). If it does not change as shown in Fig. 2, inspect the camera control circuit (IC1803 of VC-504 board) pe riphery.

Note 1: Finish this operation within 10 seconds. If it is likely to take more than 10 seconds, set block: 11, page: 80, address: 7D48, data: 00, and then retry.

Note 2: When the lens block was replaced, execute the necessary adjustment items referring to Service Manual, ADJ.
After the adjustment, make sure with the STEADYSHOT turned ON that the steadyshot functions appropriately in the handheld operation.

1-3-3. E : 62 : 12 [Shift Lens Overheating (Yaw)] Occurred (SR7/SR7E/SR8/SR8E)

Connect by the SeusEX and perform the following process.

Order	Block	Page	Address	Data	Procedure
1	11	80	6BB2	01	Write the data.
2	11	80	7D47	F0	Write the data.
3	11	80	7D49	01	Write the data. (Note 1)
4	11	80	7D49	00	Write the data.
5	11	80	7D47	10	Write the data.
6	11	80	7D49	01	Write the data. (Note 1)
7	11	80	7D49	00	Write the data.
8	11	80	6BB2	00	Write the data.
9					Check if the shift lens moves while setting the order 2 to 7. If the shift lens does not move, replace the lens block (Note 2). When the shift lens moved, proceed to the order 10.
10					While setting the order 2 to 7, measure with an oscilloscope the output voltage of R5737 in the periphery of IC5703 on the LD-228 board to check the output voltage varies.
11					If the output voltage does not vary, replace the lens block (Note 2). When the output voltage varied, proceed to the order 12.
12					Turn the power OFF.
13					While measuring with an oscilloscope the output voltage of R5792 in the periphery of IC5703 on the LD-228 board, turn the power ON to check that the output voltage immediately after the power on change as shown in Fig. 2.
14					If the output voltage change as shown in Fig. 2, replace the lens block (Note 2). If it does not change as shown in Fig. 2, inspect the camera control circuit (IC1803 of VC-504 board) periphery.

Note 1: Finish this operation within 10 seconds. If it is likely to take more than 10 seconds, set block: 11, page: 80, address: 7D49, data: 00, and then retry.

Note 2: When the lens block was replaced, execute the necessary adjustment items referring to Service Manual, ADJ. After the adjustment, make sure with the STEADYSHOT turned ON that the steadyshot functions appropriately in the handheld operation.

1-3-4. E : 62 : 20 [Abnormality of Thermistor] Occurred (SR7/SR7E/SR8/SR8E)

Order	Procedure
1	Turn the power ON.
2	Check that R1846 in the periphery of IC1803 on the VC-504 board is 0 Ω and energizes. If it is not energizes, replace the R1846. When R1846 is 0 Ω and energizes, replace the lens block (Note).
3	Check that no error occurs, after replacing the lens block and performing the necessary adjustment. If an error occurs, inspect the camera control circuit (IC1803 of VC-504 board) periphery.

Note: When the lens block was replaced, execute the necessary adjustment items referring to Service Manual, ADJ. After the adjustment, make sure with the STEADYSHOT turned ON that the steadyshot functions appropriately in the handheld operation.

1-4. PRECAUTION ON REPLACING THE VC-504 BOARD

DESTINATION DATA

When you replace to the repairing board, the written destination data of repairing board also might be changed to original setting.
Refer to Service Manual ADJ, and perform “DESTINATION DATA WRITE”.

USB SERIAL No.

The set is shipped with a unique ID (USB Serial No.) written in it.
This ID has not been written in a new board for service, and therefore it must be entered after the board replacement.
Refer to Service Manual ADJ, and perform “USB SERIAL No. INPUT”.

1-5. PROCESS AFTER FIXING FLASH ERROR

When “FLASH error” (Self-diagnosis Code E : 91 : 01) occurs, to prevent any abnormal situation caused by high voltage, setting of the flash is changed automatically to disabling charge and flash setting.
After fixing, this setting needs to be deactivated. Flash error code can be initialized by execution of “Clear All record-data”.
Note: For “Clear All record-data”, refer to Service Manual, ADJ (“7. Record Data” of “2-2. SERVICE MODE”).

1. SERVICE NOTE

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1-1. 修理時の電源供給について

本機では，安定化電源（8.4Vdc）からバッテリ端子に電源を供給した場合，約10秒後にシャットオフし，動作しなくなります。これを避けるため，下記の方法を用いてください。

方法：

DC入力端子を使用する。（ACアダプタ（AC-L200/L200Bなど）を使用する。）

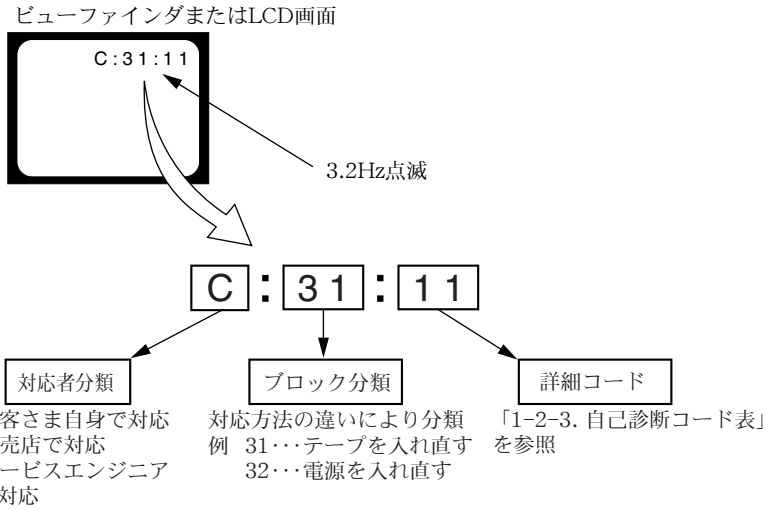
1-2. 自己診断機能

1-2-1. 自己診断機能について

本機の動作に不具合が生じたとき，自己診断機能が働き，ビューファインダまたはLCD画面に，どう処置したらよいか判断できる表示を行います。「自己診断表示」と「サービスモード表示」の２つの表示があります。自己診断機能については取扱説明書にも掲載されています。

1-2-2. 自己診断表示

本機の動作に不具合が生じたとき，ビューファインダまたはLCD画面のカウンタ表示部分がアルファベットと数字の4桁表示になり，3.2Hzで点滅します。この5文字の表示によって対応者分類および不具合の生じたブロックの分類，不具合の詳細コードを示します。



1-2-3. 自己診断コード表

自己診断コード			症状／状態	対応／方法
対応者	ブロック機能	詳細コード		
C	0 4	0 0	標準以外のバッテリを使用している	インフォリチウムバッテリを使用する。
C	1 3	0 1	フォーマットしていない“メモリーステック デュオ”を入れた “メモリーステック デュオ”が壊れている	“メモリーステック デュオ”をフォーマットする。 新しい“メモリーステック デュオ”に交換する。
C	1 3	0 2	ディスクアクセスエラー	電源を外し，再度入れ直してから操作する。
C	3 2	6 0	フォーカスが合いにくい （フォーカスの初期化ができない）	操作スイッチの電源を入れ直す。 復帰しない場合，レンズブロックのフォーカスMRセンサ（LD-228基板CN5302 ⑲，㉑ピン：SR5/SR5C/SR5E，LD-228基板CN5301 ⑯，⑱ピン：SR7/SR7E/SR8/SR8E）を点検する。異常なければフォーカスモータ駆動回路（LD-228基板IC5404）を点検する。
E	2 0	0 0	EEPROMが書き換えられている	EEPROMのデータを元の値に戻す
E	3 1	0 0	ドライブ不良	ハードディスクドライブを点検または交換する。
E	6 1	1 0	ズーム動作の異常（ズームレンズの初期化ができない）	ズームレバーを操作したときにズーム動作をすれば，レンズブロックのズームMRセンサ（LD-228基板CN5302 ⑯，⑱ピン：SR5/SR5C/SR5E，LD-228基板CN5301 ⑳，㉑ピン：SR7/SR7E/SR8/SR8E）を点検する。ズーム動作をしなければズームモータ駆動回路（LD-228基板IC5404）を点検する。
E	6 1	1 1	フォーカス，ズーム異常	自己診断コードC：32：60とE：61：10の両方を点検する。
E	6 2	0 0	手振れ補正が効きにくい（PITCH角速度センサ出力張り付き）	PITCH角速度センサ（CM-076基板SE8202：SR5/SR5C/SR5E，CM-077基板SE7202：SR7/SR7E/SR8/SR8E）周辺回路を点検する。
E	6 2	0 1	手振れ補正が効きにくい（YAW 角速度センサ出力張り付き）	YAW角速度センサ（CM-076基板SE8201：SR5/SR5C/SR5E，CM-077基板SE7201：SR7/SR7E/SR8/SR8E）周辺回路を点検する。
E	6 2	0 2	手振れ補正用ICの異常	「1-3-1. E:62:02（手振れ補正用ICの異常）が出た場合」を参照。（SR7/SR7E/SR8/SR8Eのみ）
E	6 2	0 3	手振れ補正用ICとマイクロコントローラーとの通信異常	手振れ補正回路（LD-228基板IC5703）を点検。（SR7/SR7E/SR8/SR8Eのみ）
E	6 2	1 0	シフトレンズ初期化異常	SR7/SR7E/SR8/SR8Eのみ： 1. EEPROM（VC-504基板IC1804）を点検する。 2. STEADY HALL調整を行う。（注意1） 3. レンズブロックを交換する。（注意2）
E	6 2	1 1	シフトレンズオーバーヒート(PITCH)	「1-3-2. E:62:11（シフトレンズオーバーヒート（PITCH））が出た場合」を参照。（SR7/SR7E/SR8/SR8Eのみ）

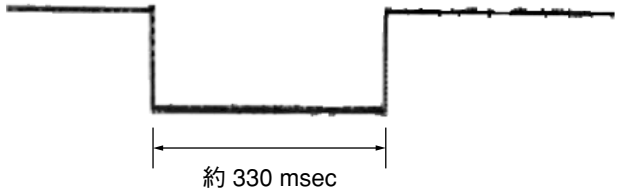
注意1：ADJ編「STEADY HALL Adjustment」を参照して調整を実施すること。調整後は「GYRO Sensor Sensitivity Adjustment」を必ず実施すること。

注意2：レンズブロックを交換した場合は，ADJ編を参照して必要な調整項目を実施すること。調整後は手振れ補正ONの状態にして，手持ち動作で手振れ補正が適切に動作していることを確認する。

自己診断コード			症状／状態	対応／方法
対応者	ブロック機能	詳細コード		
E	6 2	1 2	シフトレンズオーバーヒート(YAW)	「1-3-3. E:62:12(シフトレンズオーバーヒート(YAW))が出た場合」を参照。(SR7/SR7E/SR8/SR8Eのみ)
E	6 2	2 0	サーミスタの異常	「1-3-4. E:62:20(サーミスタの異常)が出た場合」を参照。(SR7/SR7E/SR8/SR8Eのみ)
E	9 1	0 1	フラッシュの充電異常	フラッシュユニットの点検または交換をする。
E	9 4	0 0	フラッシュメモリの書込み/消去動作不良	フラッシュメモリ（VC-504基板IC2201）を点検する。

1-3. シフトレンズエラーの対処方法(SR7/SR7E/SR8/SR8E)

図2



注意：Lowの区間の長さは場合によって多少異なる

図2. LD-228基板R5792の出力電圧の変化

図1

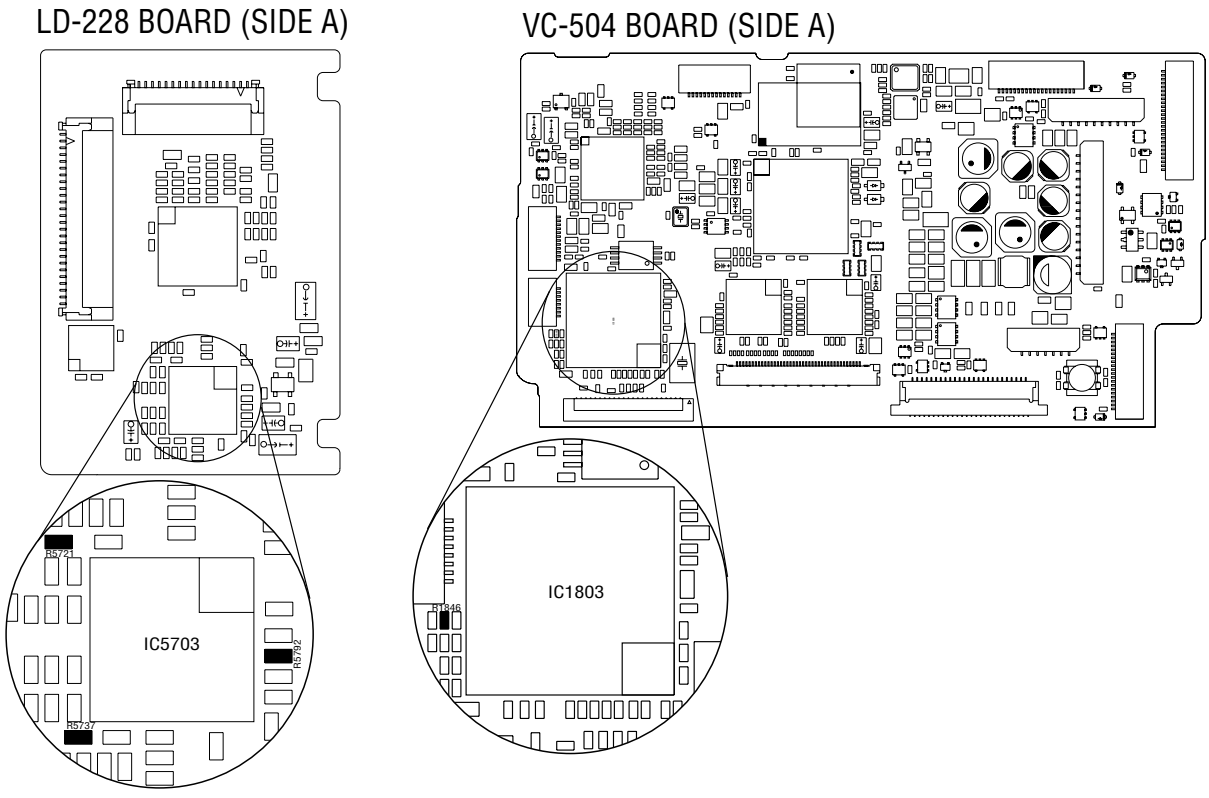


図1.LD-228基板，VC-504基板測定箇所

1-3-1. E：62：02(手振れ補正用ICの異常)が出た場合 (SR7/SR7E/SR8/SR8E)

順序	作業内容
1	電源を切る。
2	LD-228基板IC5703の周辺にあるR5792の出力電圧をオシロスコープで測定しながら電源を入れる。電源投入直後の出力電圧が図2の様に変化することを確認する。
3	出力電圧が図2の様に変化するときはレンズブロックを交換する(注意)。図2の様に変化しないときはカメラコントロール回路(VC-504基板IC1803)周辺を点検する。

注意：レンズブロックを交換した場合は，ADJ編を参照して必要な調整項目を実施すること。調整後は手振れ補正ONの状態にして，手持ち動作で手振れ補正が適切に動作していることを確認する。

1-3-2. E：62：11(シフトレンズオーバーヒート(PITCH))が出た場合 (SR7/SR7E/SR8/SR8E)
SeusEXで接続し、次の手順を行う。

順序	ブロック	ページ	アドレス	データ	作業内容
1	11	80	6BB2	01	データを書き込む。
2	11	80	7D46	F0	データを書き込む。
3	11	80	7D48	01	データを書き込む。(注意1)
4	11	80	7D48	00	データを書き込む。
5	11	80	7D46	10	データを書き込む。
6	11	80	7D48	01	データを書き込む。(注意1)
7	11	80	7D48	00	データを書き込む。
8	11	80	6BB2	00	データを書き込む。
9					順序2～7を設定している間にシフトレンズが動いたか確認する。もしシフトレンズが動かない場合はレンズブロックを交換する(注意2)。動く場合は順序10に進む。
10					LD-228基板IC5703の周辺にあるR5721の出力電圧をオシロスコープで測定しながら，順序2～7を設定したときに出力電圧が変化することを確認する。
11					出力電圧が変化しないときはレンズブロックを交換する(注意2)。変化するときは順序12に進む。
12					電源を切る。
13					LD-228基板IC5703の周辺にあるR5792の出力電圧をオシロスコープで測定しながら電源を入れる。電源投入直後の出力電圧が図2の様に変化することを確認する。
14					出力電圧が図2の様に変化するときはレンズブロックを交換する(注意2)。図2の様に変化しないときはカメラコントロール回路(VC-504基板IC1803)周辺を点検する。

注意1：この操作は10秒以内に終了してください。もし10秒以上経過しそうな場合は，ブロック：11，ページ：80，アドレス：7D48，データ：00 に設定しなおしてから再度実行してください。
注意2：レンズブロックを交換した場合は，ADJ編を参照して必要な調整項目を実施すること。調整後は手振れ補正ONの状態にして，手持ち動作で手振れ補正が適切に動作していることを確認する。

1-3-3. E：62：12(シフトレンズオーバーヒート(YAW))が出た場合 (SR7/SR7E/SR8/SR8E)
SeusEXで接続し、次の手順を行う。

順序	ブロック	ページ	アドレス	データ	作業内容
1	11	80	6BB2	01	データを書き込む。
2	11	80	7D47	F0	データを書き込む。
3	11	80	7D49	01	データを書き込む。(注意1)
4	11	80	7D49	00	データを書き込む。
5	11	80	7D47	10	データを書き込む。
6	11	80	7D49	01	データを書き込む。(注意1)
7	11	80	7D49	00	データを書き込む。
8	11	80	6BB2	00	データを書き込む。
9					順序2～7を設定している間にシフトレンズが動いたか確認する。もしシフトレンズが動かない場合はレンズブロックを交換する(注意2)。動く場合は順序10に進む。
10					LD-228基板IC5703の周辺にあるR5737の出力電圧をオシロスコープで測定しながら，順序2～7を設定したときに出力電圧が変化することを確認する。
11					出力電圧が変化しないときはレンズブロックを交換する(注意2)。変化するときは順序12に進む。
12					電源を切る。
13					LD-228基板IC5703の周辺にあるR5792の出力電圧をオシロスコープで測定しながら電源を入れる。電源投入直後の出力電圧が図2の様に変化することを確認する。
					出力電圧が図2の様に変化するときはレンズブロックを交換する(注意2)。図2の様に変化しないときはカメラコントロール回路(VC-504基板IC1803)周辺を点検する。

注意1：この操作は10秒以内に終了してください。もし10秒以上経過しそうな場合は，ブロック：11，ページ：80，アドレス：7D49，データ：00 に設定しなおしてから再度実行してください。
注意2：レンズブロックを交換した場合は，ADJ編を参照して必要な調整項目を実施すること。調整後は手振れ補正ONの状態にして，手持ち動作で手振れ補正が適切に動作していることを確認する。

1-3-4. E：62：20(サーミスタの異常)が出た場合 (SR7/SR7E/SR8/SR8E)

順序	作業内容
1	電源を入れる。
2	VC-504基板IC1803の周辺にあるR1846が0 Ωであり，かつ通電していることを確認する。通電していない場合はR1846を交換する。R1846が0 Ωであり，かつ通電している場合はレンズブロックを交換する(注意)。
3	レンズブロックを交換し必要な調整を行った後，エラーが発生しないことを確認する。もしエラーが発生する場合はカメラコントロール回路(VC-504基板IC1803)周辺を点検する。

注意：レンズブロックを交換した場合は，ADJ編を参照して必要な調整項目を実施すること。調整後は手振れ補正ONの状態にして，手持ち動作で手振れ補正が適切に動作していることを確認する。

1-4. VC-504基板交換時の注意

仕向けデータ

補修用基板と交換する時，補修用基板に書かれている仕向けデータは元の設定と違っている場合があります。
ADJ編を参照して，「DESTINATION DATA WRITE」を行ってください。

USBシリアルNo.

セットは，1台毎に異なる固有のID（USB Serial No.）を書き込んだ後，出荷されています。
新品の補修用基板には，このIDが書き込まれていないので，基板交換後にIDを入力する必要があります。
ADJ編を参照して，「USB SERIAL No. INPUT」を行ってください。

1-5. フラッシュ異常修理後の処置

本機はフラッシュエラー（自己診断コードE:91:01 ）が発生した場合，高電圧による異常を防止するために自動的にフラッシュ充電および発光禁止の設定になります。
フラッシュエラー発生後はエラーの解除を行う必要があります。エラーは，「全履歴データの初期化」を実行することにより解除できます。
注：「全履歴データの初期化」については，ADJ編（「2-2. サービスモード」の「7. 履歴データ」）を参照してください。

(ENGLISH)
1-6. PRECAUTION ON REPLACING THE CABINET (G) ASSY (HDR-SR5)

The model display adopts the laser printing method.Therefore, the cabinet (G) assy for replacement differs depending on the destination.
As similar displays are provided, choose the suitable one for order.

Note1: After replacing the cabinet (G) assy, the serial number for it will be changed to the one exclusive for service use.
Inform a customer of the serial number change and change the serial number in the repair data.

Note 2: When replacing the cabinet (G) assy for US, affix the "Manufacturing year" label and the "Factory" label on the specified location as shown in the figure.
The replacement caution label and inset (how to affix) are supplied together with the cabinet (G) assy.

Note 3: When replacing the cabinet (G) assy for Korea, affix the "Manufacturing year" label on the specified location as shown in the figure.
The replacement caution label and inset (how to affix) are supplied together with the cabinet (G) assy.

(JAPANESE)
1−6. キャビネット(G)組立交換時の注意 (HDR−SR5)

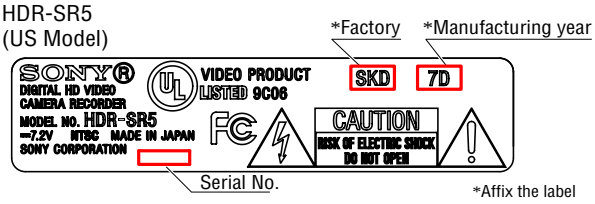
機種の表示部はレーザー印字方式を採用しております。
この為，交換用のキャビネット(G)組立は仕向けにより異なります。類似の表示もありますので，該当するものを選んで注文して下さい。

注意1: キャビネット(G)組立交換後はシリアルナンバーがサービス専用のシリアルナンバーに変更されます。お客様への案内と修理データのシリアルナンバー変更を行ってください。

注意2: ＵＳ仕向けキャビネット(Ｇ)組立を交換した際は「製造年月」を表すラベルと，「製造所」を表すラベルを図の指定位置に貼り付けてください。
なお，キャビネット(G)組立には時期表示ラベル，投げ込み(ラベル貼り方)がセットで供給されます。

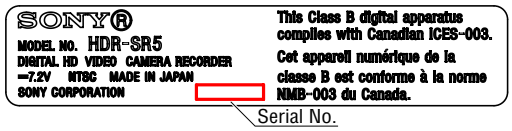
注意3: Korean仕向けキャビネット(G)組立を交換した際は，「製造年月」を表すラベルを図の指定位置に貼り付けてください。
なお，キャビネット(G)組立には時期表示ラベル，投げ込み(ラベル貼り方)がセットで供給されます。

HDR-SR5
(US Model)



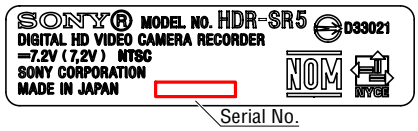
Part No.	Description
A-1317-525-A	SERVICE,CABINET (G (SR5)) (U2)

HDR-SR5
(Canadian Model)


SONY
MODEL NO. HDR-SR5
DIGITAL HD VIDEO CAMERA RECORDER
7.2V NTSC MADE IN JAPAN
SONY CORPORATION
This Class B digital apparatus compiles with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.
Serial No.

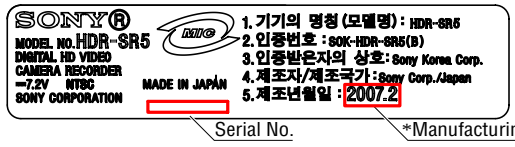
Part No.	Description
A-1317-526-A	SERVICE, (G (SR5)) (CA2)

HDR-SR5
(E, Tourist Models)



Part No.	Description
A-1317-527-A	SERVICE, (G (SR5)) (E23)

HDR-SR5
(Korean Model)



Part No.	Description
A-1317-528-A	SERVICE, (G (SR5)) (KR2)

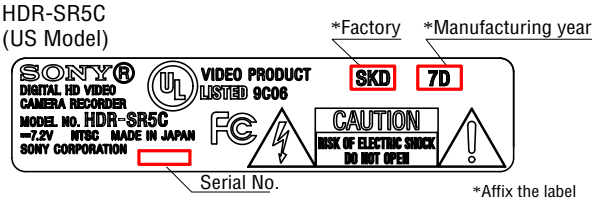
(ENGLISH)
1-7. PRECAUTION ON REPLACING THE CABINET (G) ASSY (HDR-SR5C)

The model display adopts the laser printing method.Therefore, the cabinet (G) assy for replacement differs depending on the destination.
As similar displays are provided, choose the suitable one for order.

Note1: After replacing the cabinet (G) assy, the serial number for it will be changed to the one exclusive for service use.
Inform a customer of the serial number change and change the serial number in the repair data.

Note 2: When replacing the cabinet (G) assy for US, affix the "Manufacturing year" label and the "Factory" label on the specified location as shown in the figure.
The replacement caution label and inset (how to affix) are supplied together with the cabinet (G) assy.

HDR-SR5C
(US Model)



Part No.	Description
A-1317-533-A	SERVICE, (G (SR5C)) (U2)

(JAPANESE)
1-7. キャビネット(G)組立交換時の注意 (HDR-SR5C)

機種の表示部はレーザー印字方式を採用しております。
この為，交換用のキャビネット(G)組立は仕向けにより異なります。類似の表示もありますので，該当するものを選んで注文して下さい。

注意1: キャビネット(G)組立交換後はシリアルナンバーがサービス専用のシリアルナンバーに変更されます。お客様への案内と修理データのシリアルナンバー変更を行ってください。

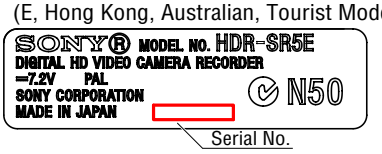
注意2: ＵＳ仕向けキャビネット(Ｇ)組立を交換した際は「製造年月」を表すラベルと，「製造所」を表すラベルを図の指定位置に貼り付けてください。
なお，キャビネット(G)組立には時期表示ラベル，投げ込み(ラベル貼り方)がセットで供給されます。

(ENGLISH)
1-8. PRECAUTION ON REPLACING THE CABINET (G) ASSY (HDR-SR5E)

The model display adopts the laser printing method.Therefore, the cabinet (G) assy for replacement differs depending on the destination.
As similar displays are provided, choose the suitable one for order.

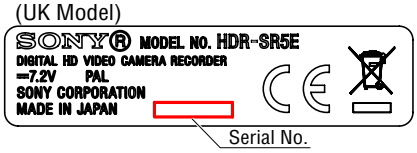
Note1: After replacing the cabinet (G) assy, the serial number for it will be changed to the one exclusive for service use.
Inform a customer of the serial number change and change the serial number in the repair data.

HDR-SR5E
(E, Hong Kong, Australian, Tourist Models)



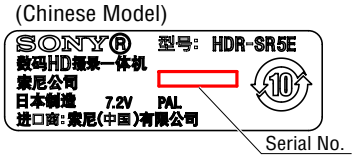
Part No.	Description
A-1317-529-A	SERVICE, (G (SR5E)) (E34)

HDR-SR5E
(UK Model)



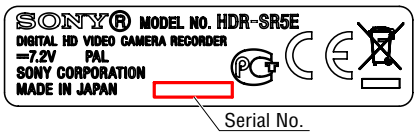
Part No.	Description
A-1317-530-A	SERVICE, (G (SR5E)) (CEH)

HDR-SR5E
(Chinese Model)



Part No.	Description
A-1317-531-A	SERVICE, (G (SR5E)) (CN2)

HDR-SR5E
(AEP Model)



Part No.	Description
A-1317-532-A	SERVICE, (G (SR5E)) (CEN)

(JAPANESE)
1−8. キャビネット(G)組立交換時の注意 (HDR−SR5E)

機種の表示部はレーザー印字方式を採用しております。
この為，交換用のキャビネット(G)組立は仕向けにより異なります。類似の表示もありますので，該当するものを選んで注文して下さい。

注意1: キャビネット(G)組立交換後はシリアルナンバーがサービス専用のシリアルナンバーに変更されます。お客様への案内と修理データのシリアルナンバー変更を行ってください。

(ENGLISH)
1-9. PRECAUTION ON REPLACING THE CABINET (G) ASSY (HDR-SR7)

The model display adopts the laser printing method.Therefore, the cabinet (G) assy for replacement differs depending on the destination.
As similar displays are provided, choose the suitable one for order.

Note1: After replacing the cabinet (G) assy, the serial number for it will be changed to the one exclusive for service use.
Inform a customer of the serial number change and change the serial number in the repair data.

Note 2: When replacing the cabinet (G) assy for US, affix the "Manufacturing year" label and the "Factory" label on the specified location as shown in the figure.
The replacement caution label and inset (how to affix) are supplied together with the cabinet (G) assy.

Note 3: When replacing the cabinet (G) assy for Korea, affix the "Manufacturing year" label on the specified location as shown in the figure.
The replacement caution label and inset (how to affix) are supplied together with the cabinet (G) assy.

(JAPANESE)
1-9. キャビネット(G)組立交換時の注意 (HDR-SR7)

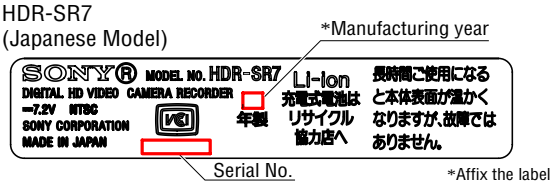
機種の表示部はレーザー印字方式を採用しております。
この為，交換用のキャビネット(G)組立は仕向けにより異なります。類似の表示もありますので，該当するものを選んで注文して下さい。

注意1: キャビネット(G)組立交換後はシリアルナンバーがサービス専用のシリアルナンバーに変更されます。お客様への案内と修理データのシリアルナンバー変更を行ってください。

注意2: ＵＳ仕向けキャビネット(Ｇ)組立を交換した際は「製造年月」を表すラベルと，「製造所」を表すラベルを図の指定位置に貼り付けてください。
なお，キャビネット(G)組立には時期表示ラベル，投げ込み(ラベル貼り方)がセットで供給されます。

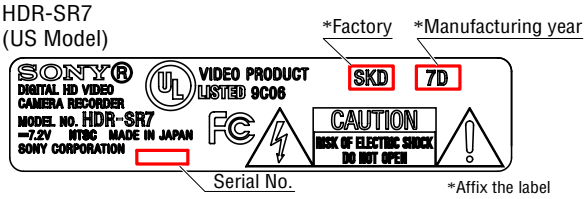
注意3: Korean仕向けキャビネット(G)組立を交換した際は，「製造年月」を表すラベルを図の指定位置に貼り付けてください。
なお，キャビネット(G)組立には時期表示ラベル，投げ込み(ラベル貼り方)がセットで供給されます。

HDR-SR7
(Japanese Model)



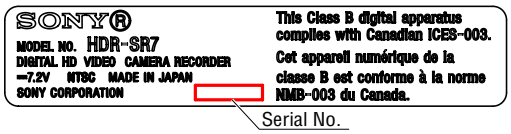
Part No.	Description
A-1317-516-A	SERVICE, CABINET (G (SR7)) (J)

HDR-SR7
(US Model)



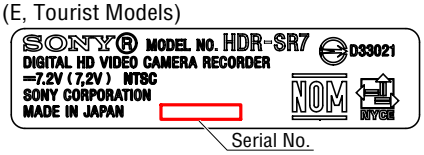
Part No.	Description
A-1317-517-A	SERVICE, CABINET (G (SR7)) (U2)

HDR-SR7
(Canadian Model)


SONY
MODEL NO. HDR-SR7
DIGITAL HD VIDEO CAMERA RECORDER
=7.2V NTSC MADE IN JAPAN
SONY CORPORATION
This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.
Serial No.

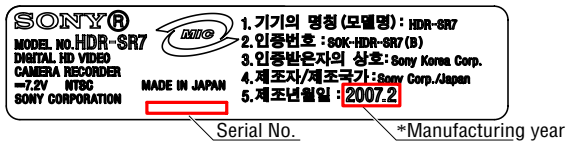
Part No.	Description
A-1317-518-A	SERVICE, (G (SR7)) (CA2)

HDR-SR7
(E, Tourist Models)



Part No.	Description
A-1317-519-A	SERVICE, (G (SR7)) (E23)

HDR-SR7
(Korean Model)



Part No.	Description
A-1317-520-A	SERVICE, (G (SR7)) (KR2)

*Affix the label

(ENGLISH)
1-10. PRECAUTION ON REPLACING THE CABINET (G) ASSY (HDR-SR7E)

The model display adopts the laser printing method.Therefore, the cabinet (G) assy for replacement differs depending on the destination.
As similar displays are provided, choose the suitable one for order.

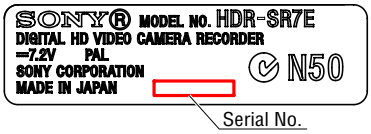
Note1: After replacing the cabinet (G) assy, the serial number for it will be changed to the one exclusive for service use.
Inform a customer of the serial number change and change the serial number in the repair data.

(JAPANESE)
1−10. キャビネット(G)組立交換時の注意 (HDR−SR7E)

機種の表示部はレーザー印字方式を採用しております。
この為，交換用のキャビネット(G)組立は仕向けにより異なります。類似の表示もありますので，該当するものを選んで注文して下さい。

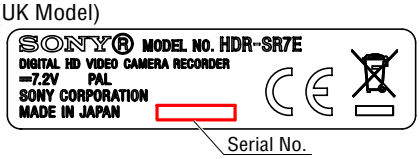
注意1: キャビネット(G)組立交換後はシリアルナンバーがサービス専用のシリアルナンバーに変更されます。お客様への案内と修理データのシリアルナンバー変更を行ってください。

HDR-SR7E
(E, Hong Kong, Australian, Tourist Models)



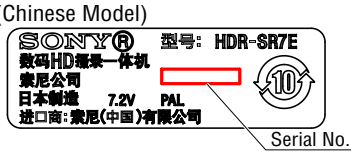
Part No.	Description
A-1317-521-A	SERVICE, (G (SR7E)) (E34)

HDR-SR7E
(UK Model)



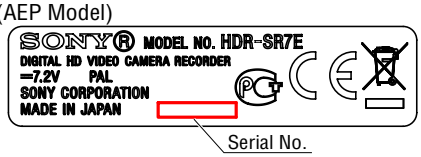
Part No.	Description
A-1317-522-A	SERVICE, (G (SR7E)) (CEH)

HDR-SR7E
(Chinese Model)



Part No.	Description
A-1317-523-A	SERVICE, (G (SR7E)) (CN2)

HDR-SR7E
(AEP Model)



Part No.	Description
A-1317-524-A	SERVICE, (G (SR7E)) (CEN)

(ENGLISH)
1-11. PRECAUTION ON REPLACING THE CABINET (G) ASSY (HDR-SR8)

The model display adopts the laser printing method.Therefore, the cabinet (G) assy for replacement differs depending on the destination.
As similar displays are provided, choose the suitable one for order.

Note1: After replacing the cabinet (G) assy, the serial number for it will be changed to the one exclusive for service use.
Inform a customer of the serial number change and change the serial number in the repair data.

Note 2: When replacing the cabinet (G) assy for US, affix the "Manufacturing year" label and the "Factory" label on the specified location as shown in the figure.
The replacement caution label and inset (how to affix) are supplied together with the cabinet (G) assy.

Note 3: When replacing the cabinet (G) assy for Korea, affix the "Manufacturing year" label on the specified location as shown in the figure.
The replacement caution label and inset (how to affix) are supplied together with the cabinet (G) assy.

(JAPANESE)
1-11. キャビネット(G)組立交換時の注意 (HDR-SR8)

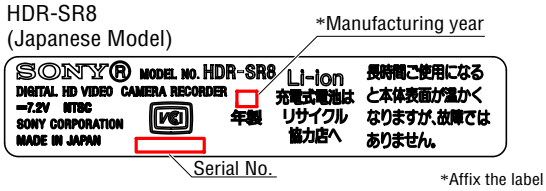
機種の表示部はレーザー印字方式を採用しております。
この為，交換用のキャビネット(G)組立は仕向けにより異なります。類似の表示もありますので，該当するものを選んで注文して下さい。

注意1: キャビネット(G)組立交換後はシリアルナンバーがサービス専用のシリアルナンバーに変更されます。お客様への案内と修理データのシリアルナンバー変更を行ってください。

注意2: ＵＳ仕向けキャビネット(Ｇ)組立を交換した際は「製造年月」を表すラベルと，「製造所」を表すラベルを図の指定位置に貼り付けてください。
なお，キャビネット(G)組立には時期表示ラベル，投げ込み(ラベル貼り方)がセットで供給されます。

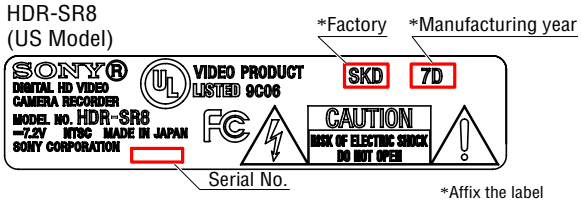
注意3: Korean仕向けキャビネット(G)組立を交換した際は，「製造年月」を表すラベルを図の指定位置に貼り付けてください。
なお，キャビネット(G)組立には時期表示ラベル，投げ込み(ラベル貼り方)がセットで供給されます。

HDR-SR8
(Japanese Model)



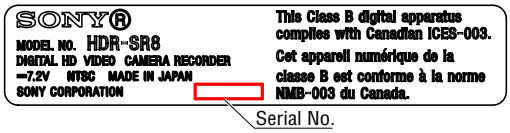
Part No.	Description
A-1317-534-A	SERVICE, CABINET (G (SR8)) (J)

HDR-SR8
(US Model)



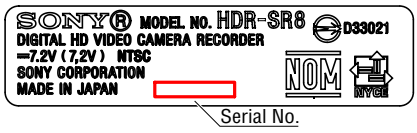
Part No.	Description
A-1317-535-A	SERVICE,CABINET (G (SR8)) (U2)

HDR-SR8
(Canadian Model)



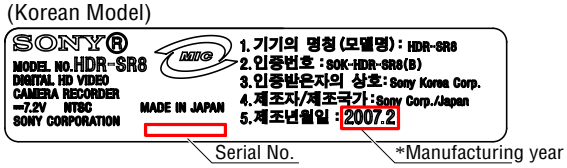
Part No.	Description
A-1317-538-A	SERVICE, (G (SR8)) (CA2)

HDR-SR8
(E, Tourist Models)



Part No.	Description
A-1317-539-A	SERVICE, (G (SR8)) (E23)

HDR-SR8
(Korean Model)



Part No.	Description
A-1317-540-A	SERVICE, (G (SR8)) (KR2)

(ENGLISH)
1-12. PRECAUTION ON REPLACING THE CABINET (G) ASSY (HDR-SR8E)

The model display adopts the laser printing method.Therefore, the cabinet (G) assy for replacement differs depending on the destination.
As similar displays are provided, choose the suitable one for order.

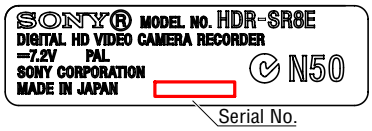
Note1: After replacing the cabinet (G) assy, the serial number for it will be changed to the one exclusive for service use.
Inform a customer of the serial number change and change the serial number in the repair data.

(JAPANESE)
1−12. キャビネット(G)組立交換時の注意 (HDR−SR8E)

機種の表示部はレーザー印字方式を採用しております。
この為，交換用のキャビネット(G)組立は仕向けにより異なります。類似の表示もありますので，該当するものを選んで注文して下さい。

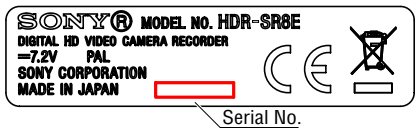
注意1: キャビネット(G)組立交換後はシリアルナンバーがサービス専用のシリアルナンバーに変更されます。お客様への案内と修理データのシリアルナンバー変更を行ってください。

HDR-SR8E
(E, Hong Kong, Australian, Tourist Models)



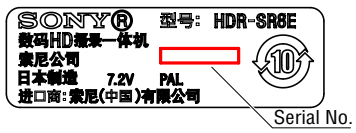
Part No.	Description
A-1317-541-A	SERVICE, (G (SR8E)) (E34)

HDR-SR8E
(UK Model)



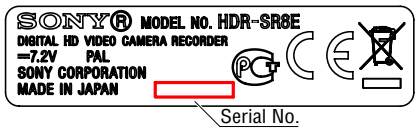
Part No.	Description
A-1317-542-A	SERVICE, (G (SR8E)) (CEH)

HDR-SR8E
(Chinese Model)



Part No.	Description
A-1317-543-A	SERVICE, (G (SR8E)) (CN2)

HDR-SR8E
(AEP Model)



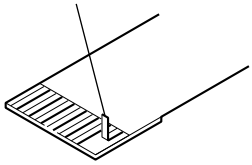
Part No.	Description
A-1317-544-A	SERVICE, (G (SR8E)) (CEN)

2. DISASSEMBLY

NOTE FOR REPAIR

- Make sure that the flat cable and flexible board are not cracked of bent at the terminal. Do not insert the cable insufficiently nor crookedly.
- When remove a connector, don't pull at wire of connector. It is possible that a wire is snapped.
- When installing a connector, don't press down at wire of connector. It is possible that a wire is snapped.
- Do not apply excessive load to the gilded flexible board.

Cut and remove the part of gilt which comes off at the point. (Be careful or some pieces of gilt may be left inside)

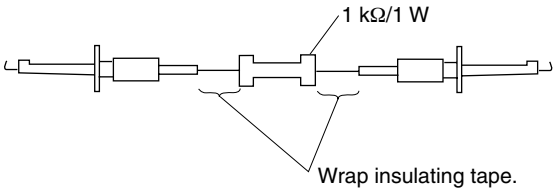


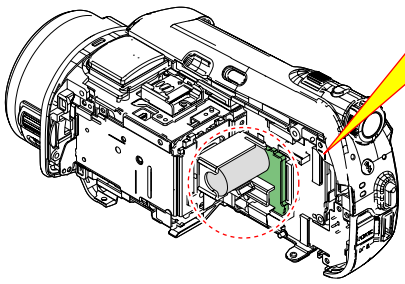
DISCHARGING OF THE ST-175 BOARD'S CHARGING CAPACITOR (C5206)

The charging capacitor (C5206) of the ST-175 board is charged up to the maximum 300 V potential.
There is a danger of electric shock by this high voltage when the capacitor is handled by hand. The electric shock is caused by the charged voltage which is kept without discharging when the main power of the unit is simply turned off. Therefore, the remaining voltage must be discharged as described below.

Preparing the Short Jig

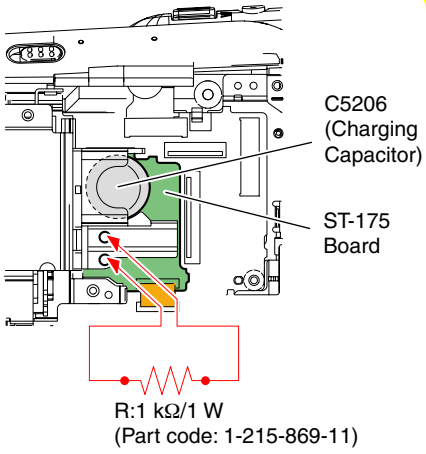
To preparing the short jig, a small clip is attached to each end of a resistor of 1 kΩ /1 W (1-215-869-11).
Wrap insulating tape fully around the leads of the resistor to prevent electrical shock.



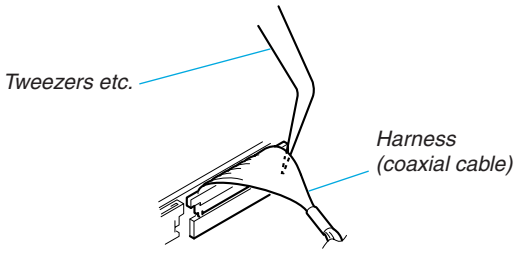


Note: High-voltage cautions

Discharging the Capacitor
Short-circuit between the two points with the short jig about 10 seconds.
To avoid the spark with the metal plate, wrap the short jig with the insulation tape.

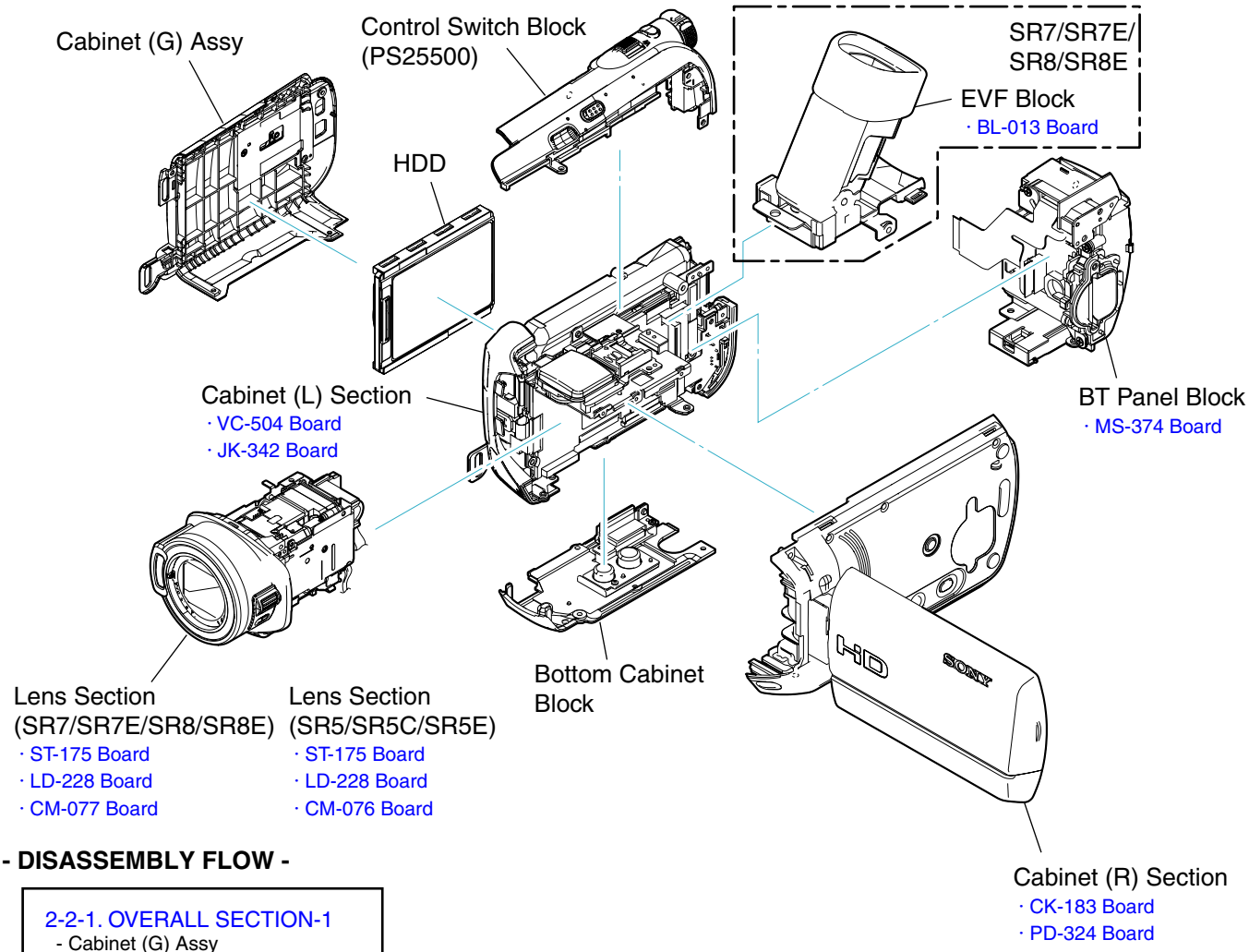


NOTE FOR DISCONNECTION THE HARNESS (COAXIAL CABLE)



When disconnecting the harness (coaxial cable), do not pull the harness part but pull off the connector body with tweezers etc.

2-1. IDENTIFYING PARTS



- DISASSEMBLY FLOW -

2-2-1. OVERALL SECTION-1
- Cabinet (G) Assy
- HDD
- Bottom Cabinet Block

2-2-2. OVERALL SECTION-2 (SR7/SR7E/SR8/SR8E)
2-2-3. OVERALL SECTION-2 (SR5/SR5C/SR5E)
- Cabinet (T(255))
- Cabinet (R) Section
- BT Panel Block
- EVF Block (SR7/SR7E/SR8/SR8E)

2-2-4. OVERALL SECTION-3
- Control Switch Block (PS25500)
- Cabinet (F) Block

2-2-5. CABINET (L) SECTION-1
- VC-504 Board
- Main frame section

2-2-6. CABINET (L) SECTION-2
- JK-342 Board

2-2-7. CABINET (F) BLOCK
- Lens Section
- Lens Barrier Unit

2-2-8. LENS SECTION (SR7/SR7E/SR8/SR8E)
2-2-9. LENS SECTION (SR5/SR5C/SR5E)
- ST-175 Board
- LD-228 Board
- Flash Unit (FL25500)

2-2-10. CABINET (R) SECTION
- Loud Speaker
- CK-183 Board
- LCD Panel Block

2-2-11. LCD PANEL BLOCK
- Hinge Block
- LCD
- PD-324 Board

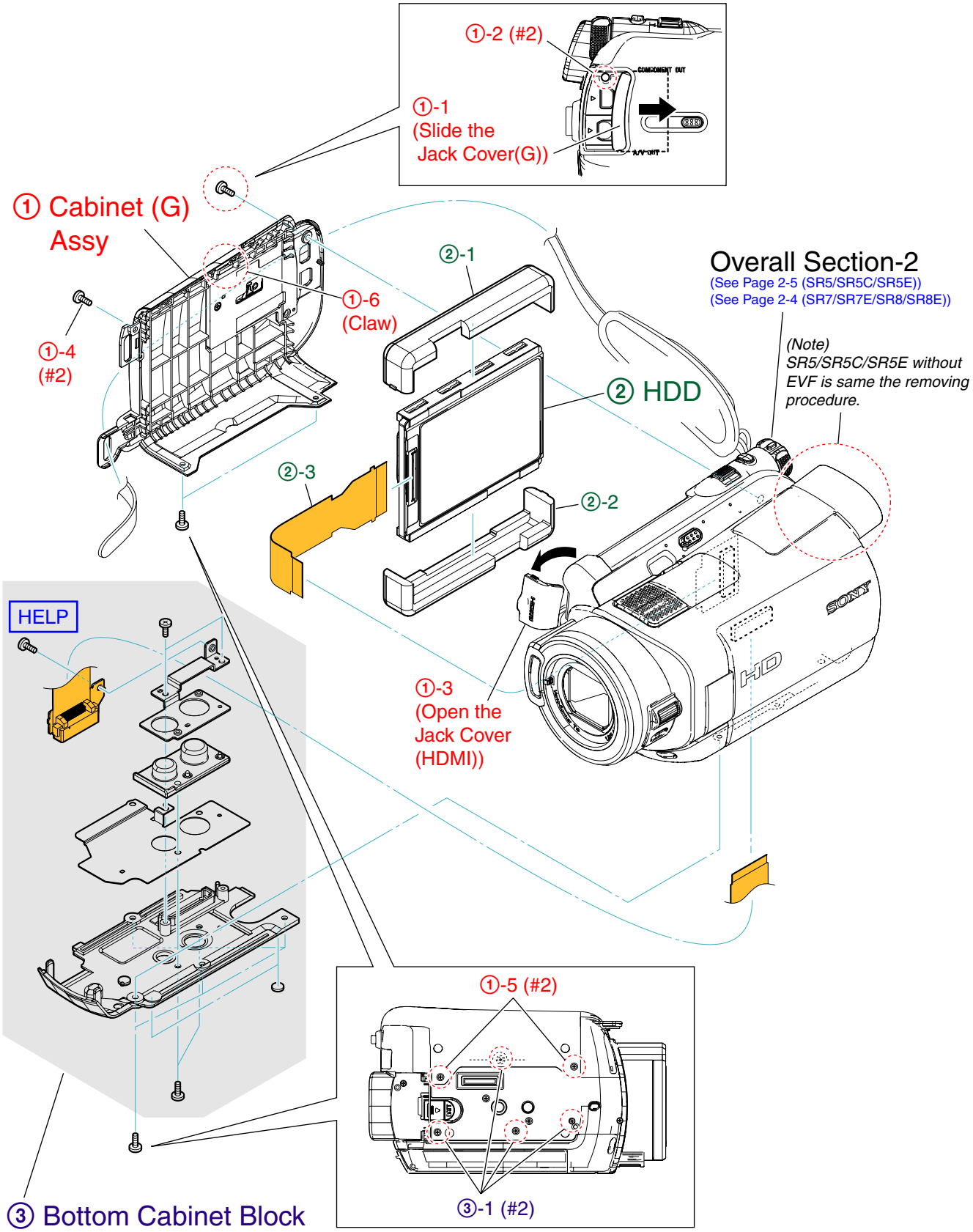
2-2. DISASSEMBLY

EXPLODED VIEW HARDWARE LIST

2-2-1. OVERALL SECTION-1

Follow the disassembly in the numerical order given.

① Cabinet (G) Assy (①-1 to ①-6)
② HDD (②-1 to ②-3)
③ Bottom Cabinet Block (③-1)

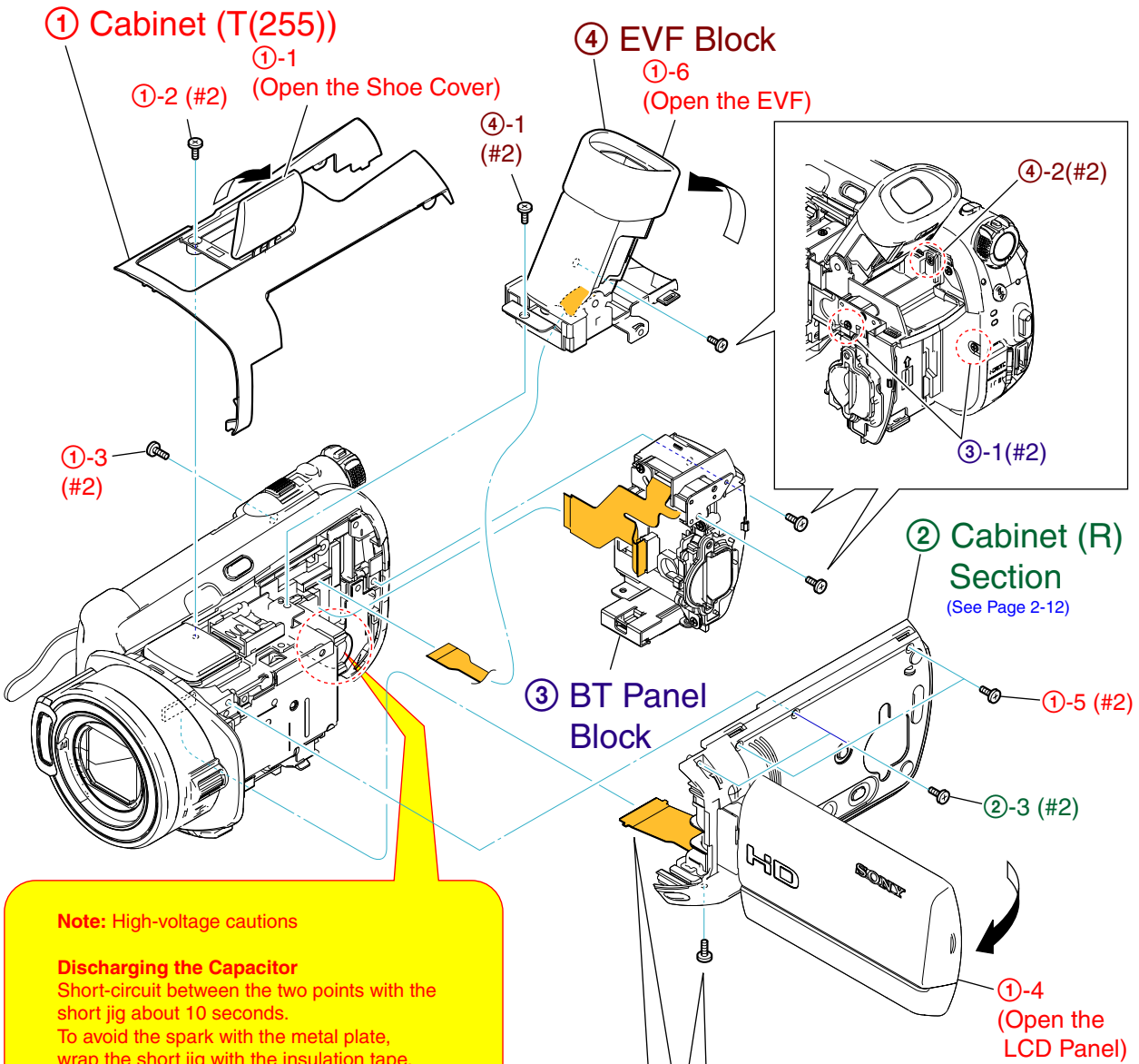


2-2-2. OVERALL SECTION-2 (SR7/SR7E/SR8/SR8E)

EXPLODED VIEW HARDWARE LIST

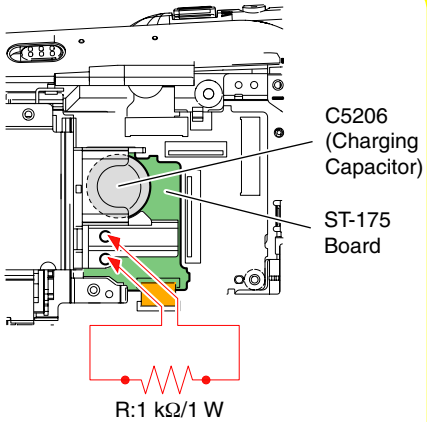
Follow the disassembly in the numerical order given.

① Cabinet (T(255)) (①-1 to ①-6)
② Cabinet (R) Section (②-1 to ②-3)
③ BT Panel Block (③-1)
④ EVF Block (④-1 to ④-2)



Note: High-voltage cautions

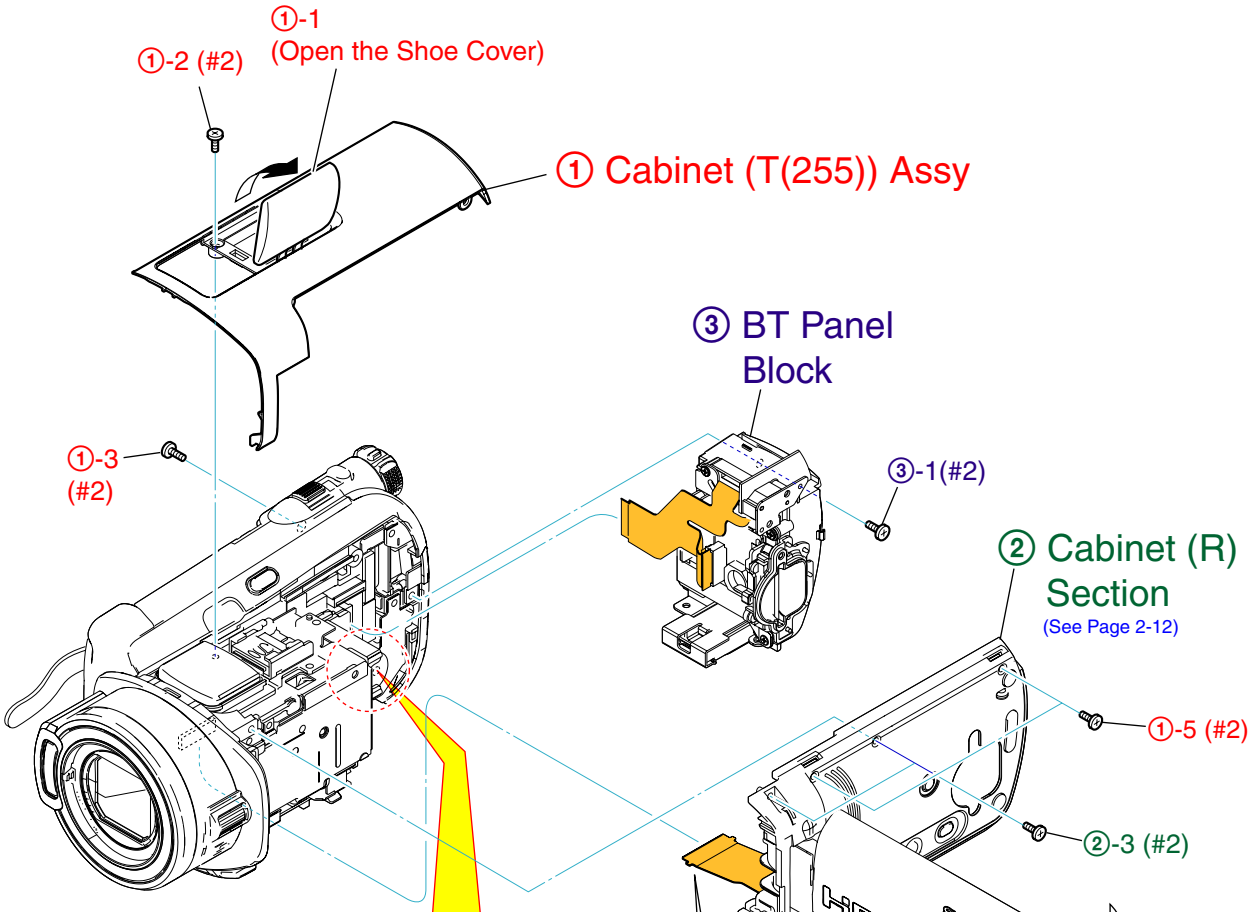
Discharging the Capacitor
Short-circuit between the two points with the short jig about 10 seconds.
To avoid the spark with the metal plate, wrap the short jig with the insulation tape.



2-2-3. OVERALL SECTION-2 (SR5/SR5C/SR5E)

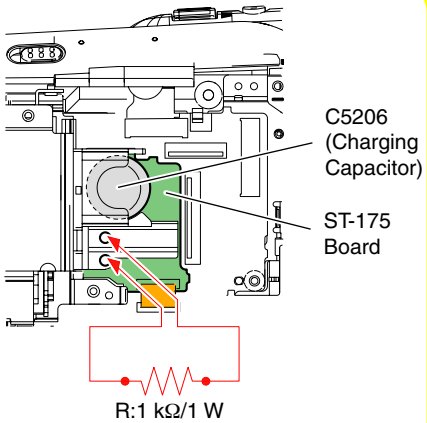
EXPLODED VIEW HARDWARE LIST

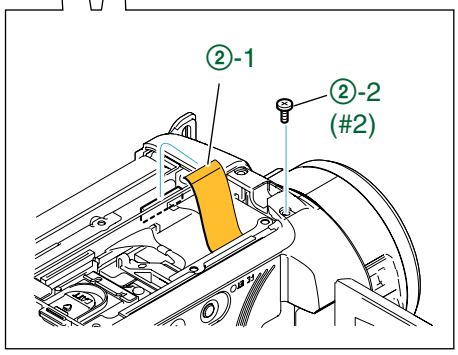
Follow the disassembly in the numerical order given.
① Cabinet (T(255)) Assy (①-1 to ①-5)
② Cabinet (R) Section (②-1 to ②-3)
③ BT Panel Block (③-1)



Note: High-voltage cautions

Discharging the Capacitor
Short-circuit between the two points with the short jig about 10 seconds.
To avoid the spark with the metal plate, wrap the short jig with the insulation tape.

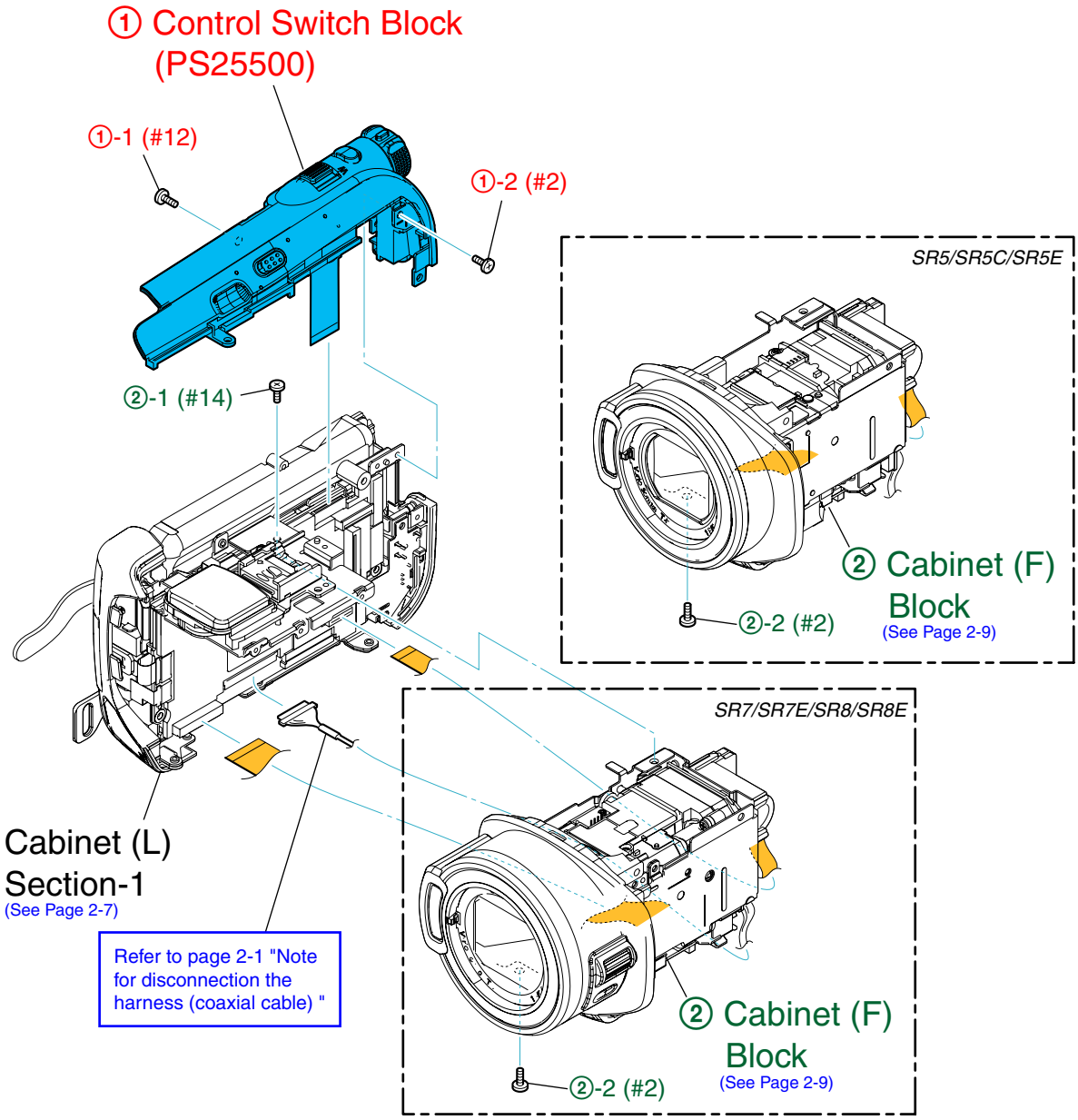




2-2-4. OVERALL SECTION-3

EXPLODED VIEW HARDWARE LIST

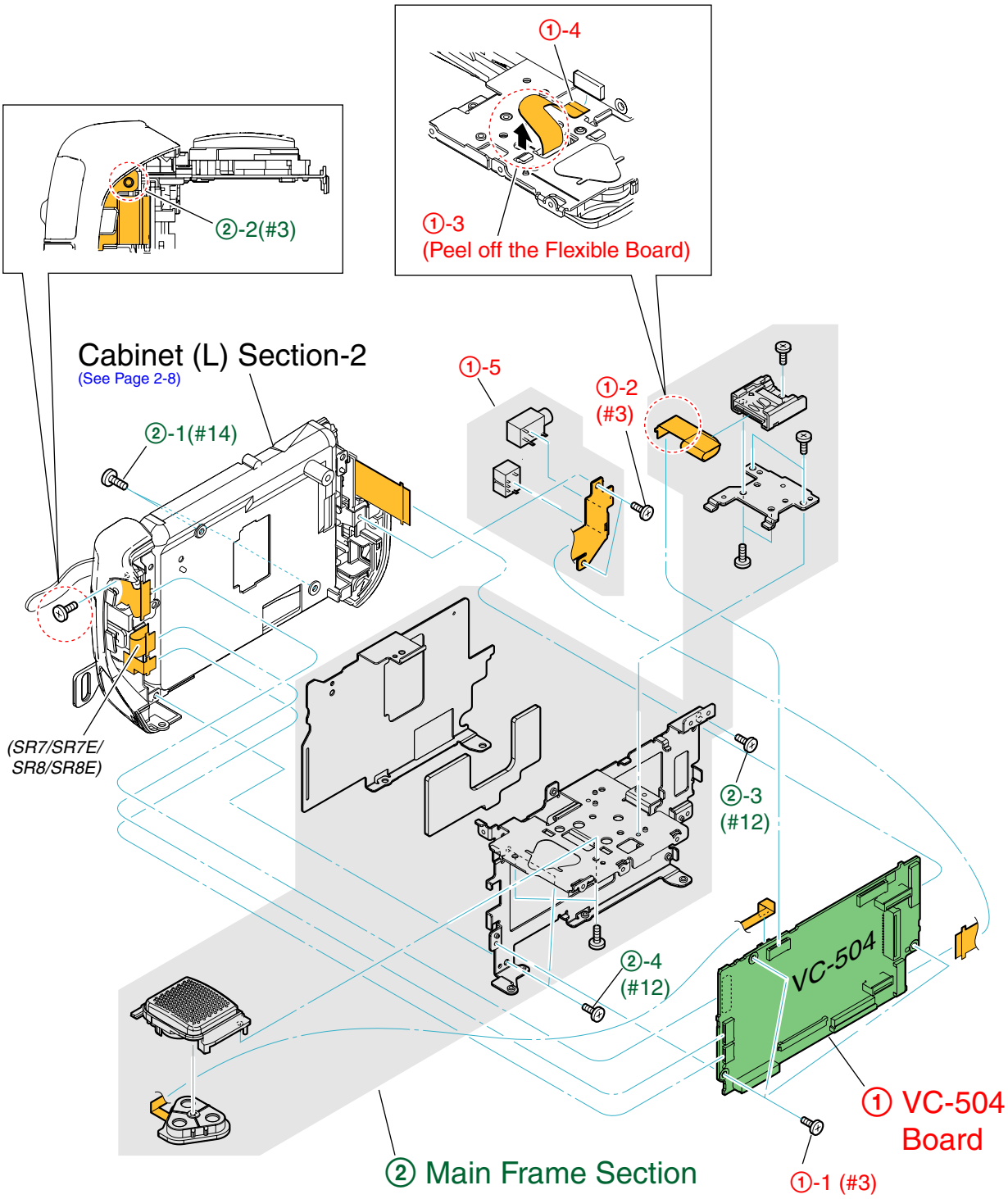
Follow the disassembly in the numerical order given.
① Control Switch Block (PS25500) (①-1 to ①-2)
② Cabinet (F) Block (②-1 to ②-2)



2-2-5. CABINET (L) SECTION-1

Follow the disassembly in the numerical order given.
① VC-504 Board (①-1 to ①-5)
② Main Frame Section (②-1 to ②-4)

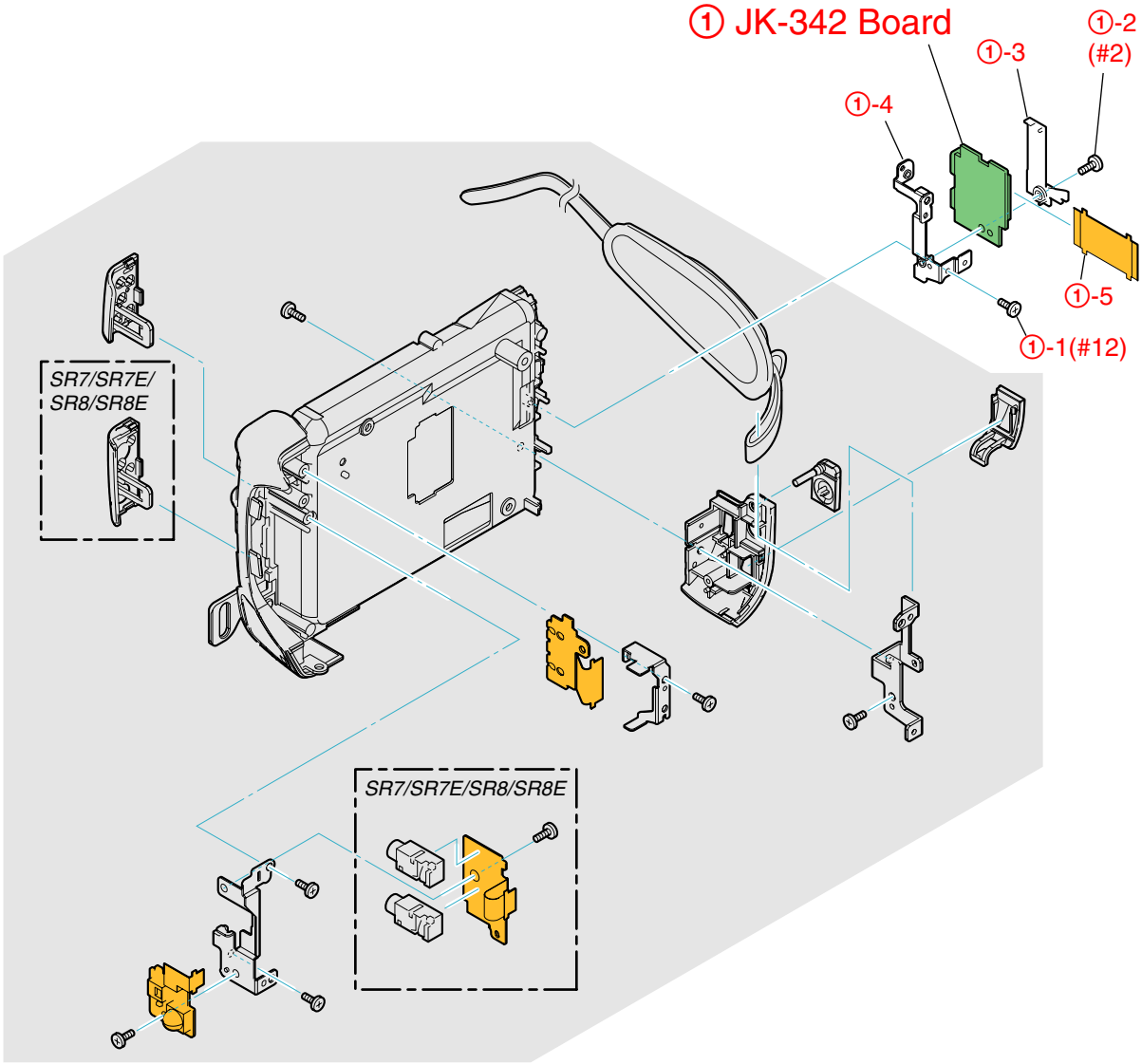
EXPLODED VIEW HARDWARE LIST



2-2-6. CABINET (L) SECTION-2

Follow the disassembly in the numerical order given.
① JK-342 Board (①-1 to ①-5)

EXPLODED VIEW HARDWARE LIST



2-2-7. CABINET (F) BLOCK

EXPLODED VIEW HARDWARE LIST

Follow the disassembly in the numerical order given.

(SR5/SR5C/SR5E)

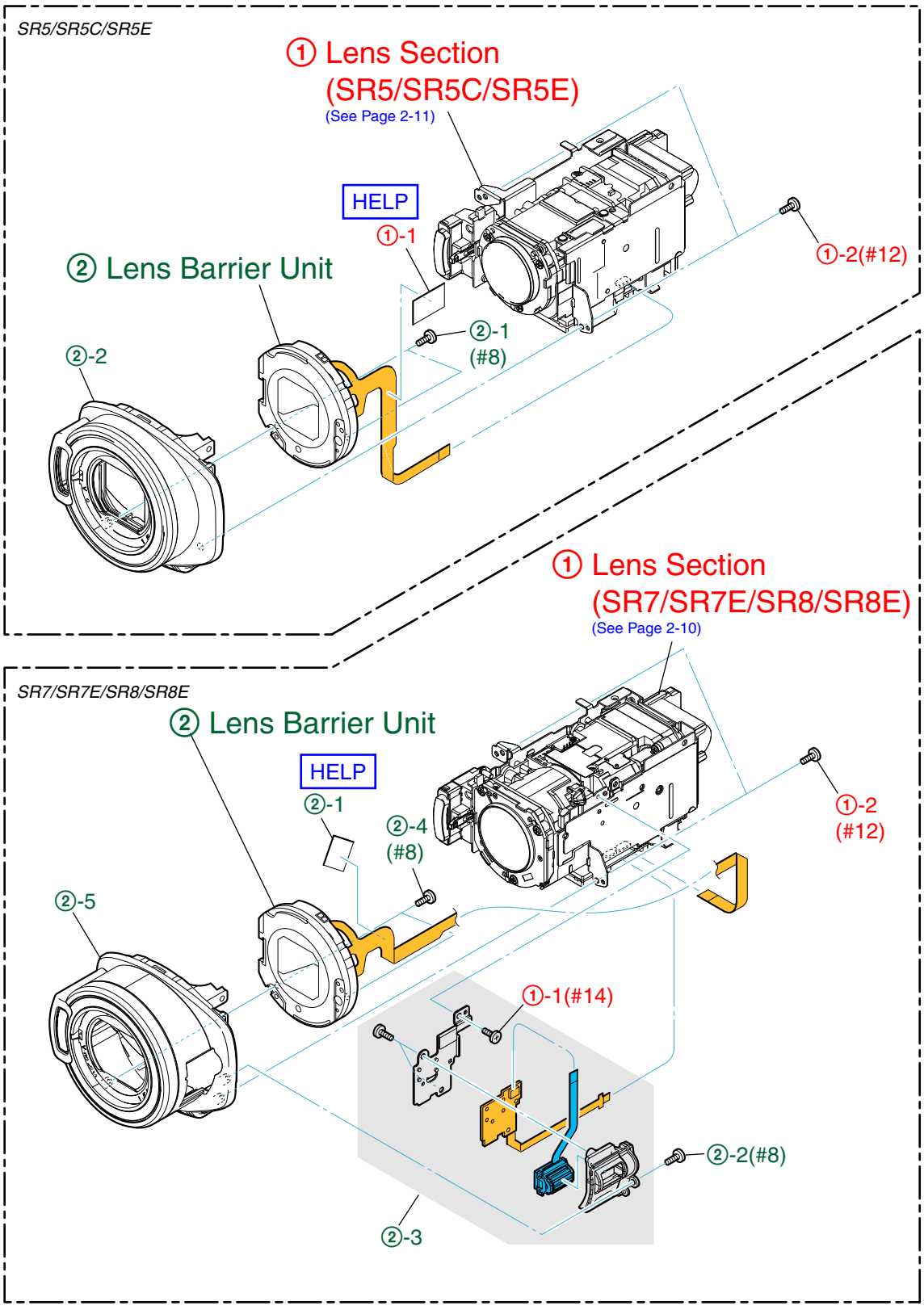
① Lens Section (①-1 to ①-2)

② Lens Barrier Unit (②-1 to ②-2)

(SR7/SR7E/SR8/SR8E)

① Lens Section (①-1 to ①-2)

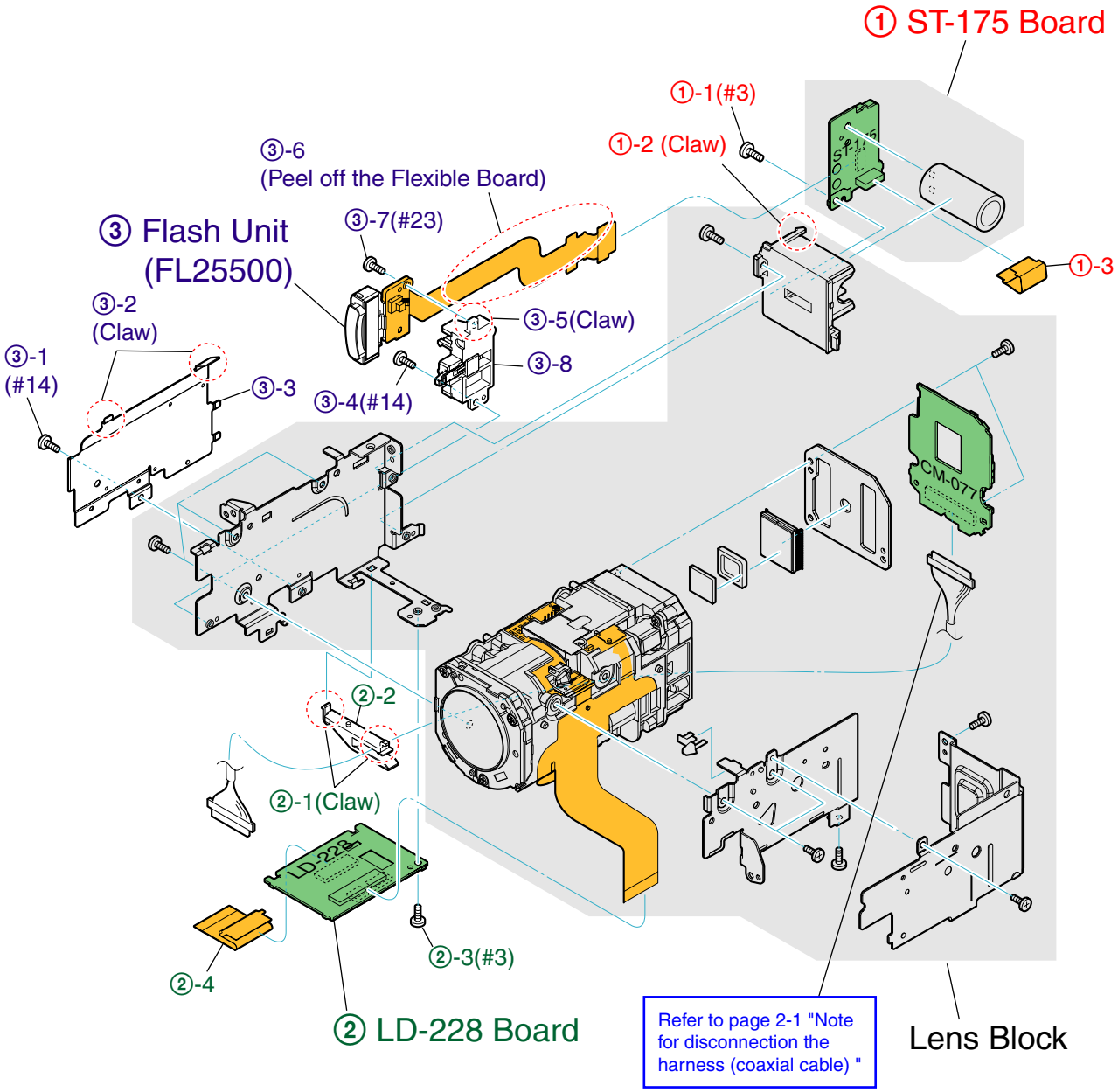
② Lens Barrier Unit (②-1 to ②-5)



2-2-8. LENS SECTION (SR7/SR7E/SR8/SR8E)

EXPLODED VIEW HARDWARE LIST

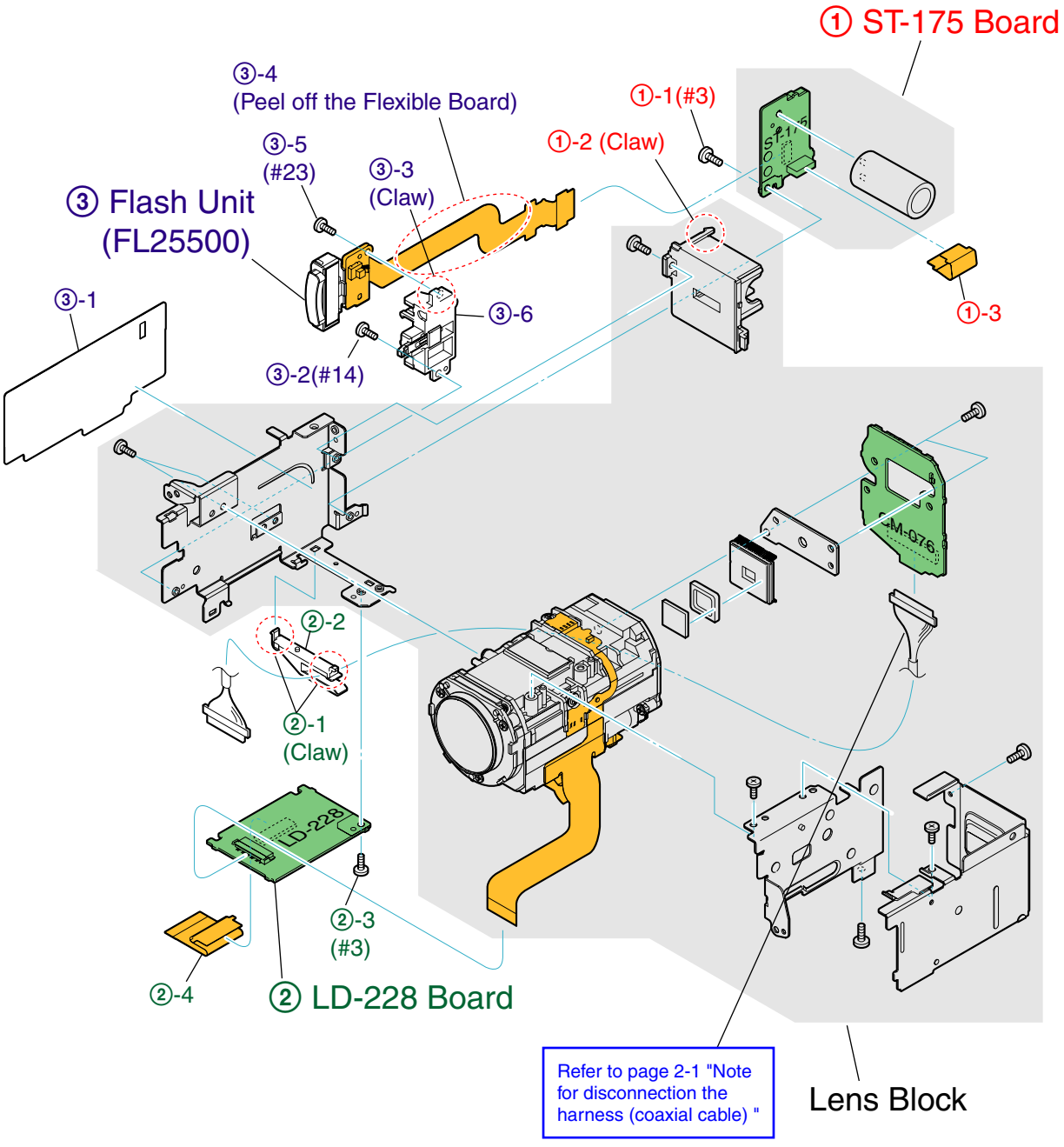
Follow the disassembly in the numerical order given.
① ST-175 Board (①-1 to ①-3)
② LD-228 Board (②-1 to ②-4)
③ Flash Unit (FL25500) (③-1 to ③-8)



2-2-9. LENS SECTION (SR5/SR5C/SR5E)

EXPLODED VIEW HARDWARE LIST

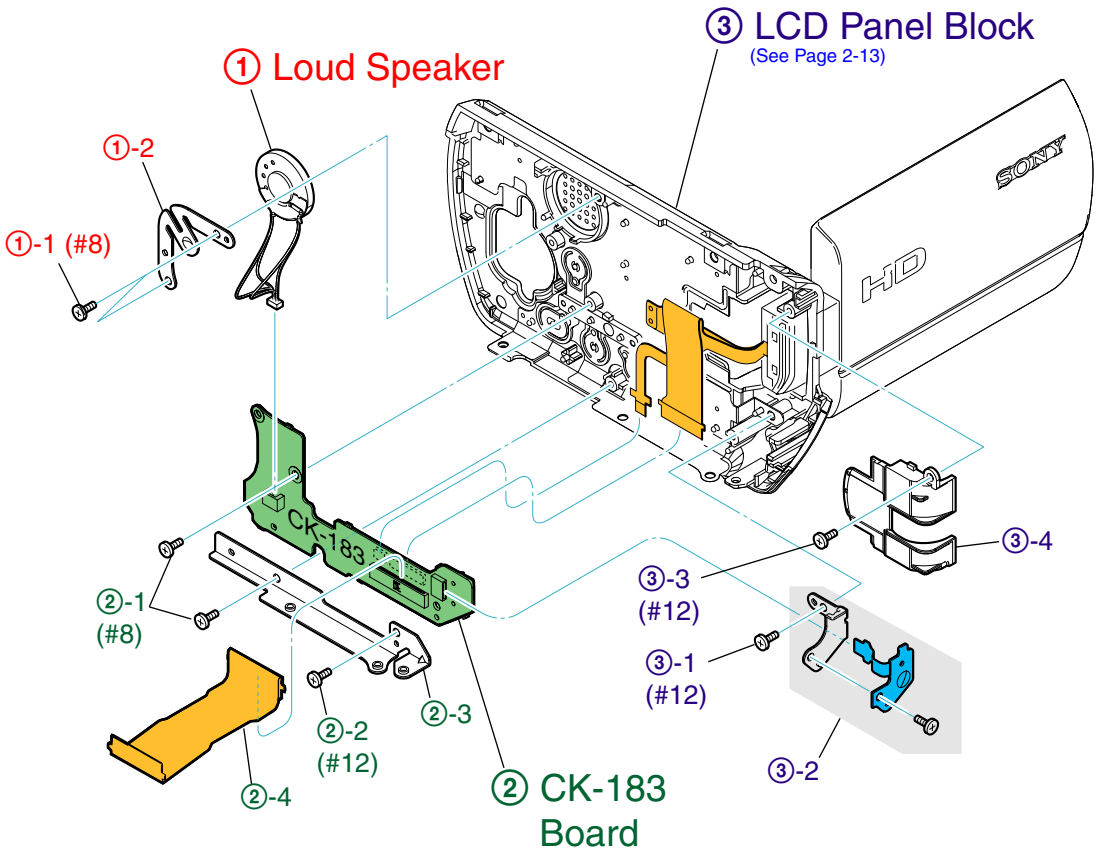
Follow the disassembly in the numerical order given.
① ST-175 Board (①-1 to ①-3)
② LD-228 Board (②-1 to ②-4)
③ Flash Unit (FL25500) (③-1 to ③-6)



2-2-10. CABINET (R) SECTION

EXPLODED VIEW HARDWARE LIST

Follow the disassembly in the numerical order given.
① Loud Speaker (①-1 to ①-2)
② CK-183 Board (②-1 to ②-4)
③ LCD Panel Block (③-1 to ③-4)

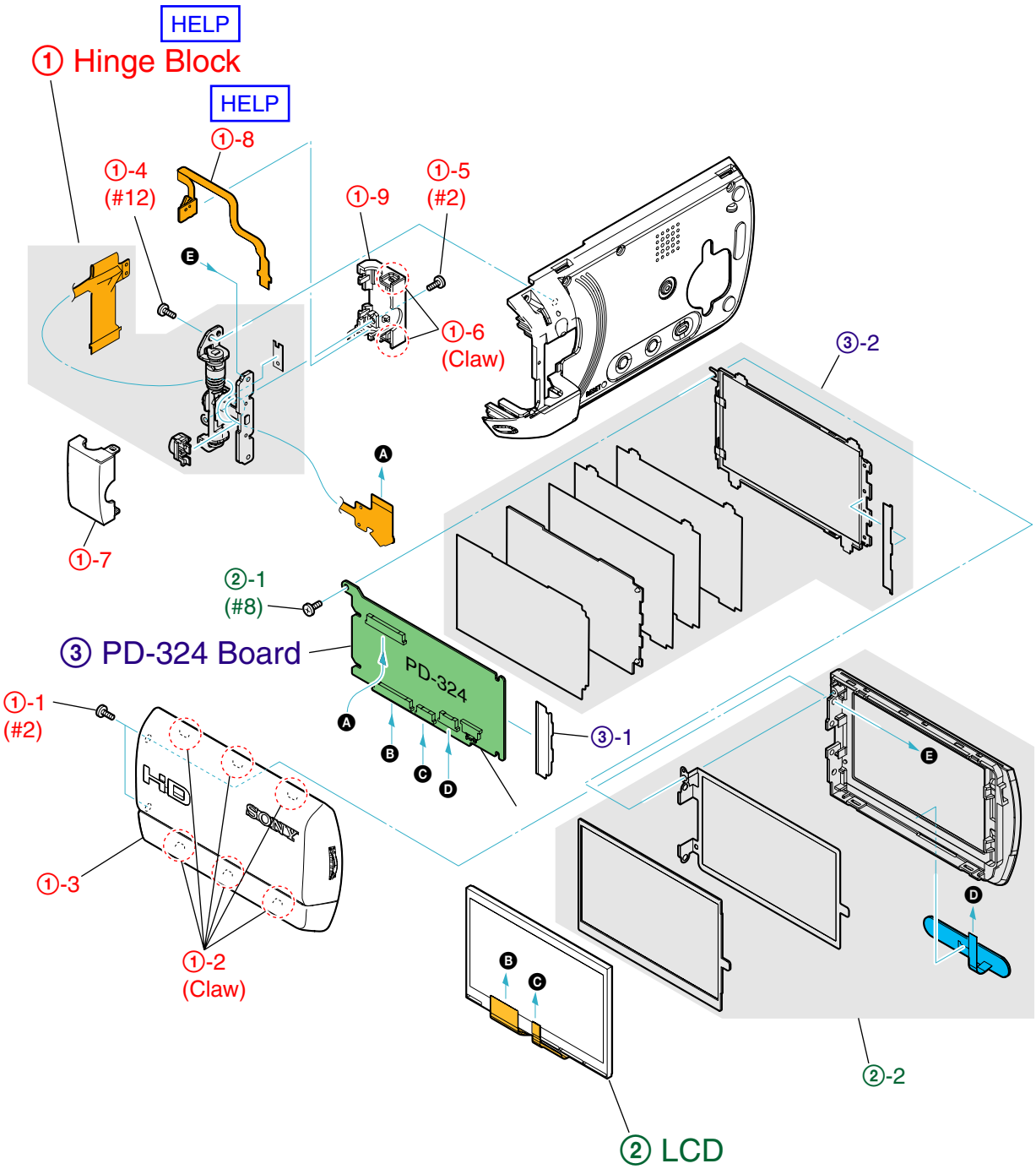


2-2-11. LCD PANEL BLOCK

Follow the disassembly in the numerical order given.

① Hinge Block (①-1 to ①-9)
② LCD (②-1 to ②-2)
③ PD-324 Board (③-1 to ③-2)

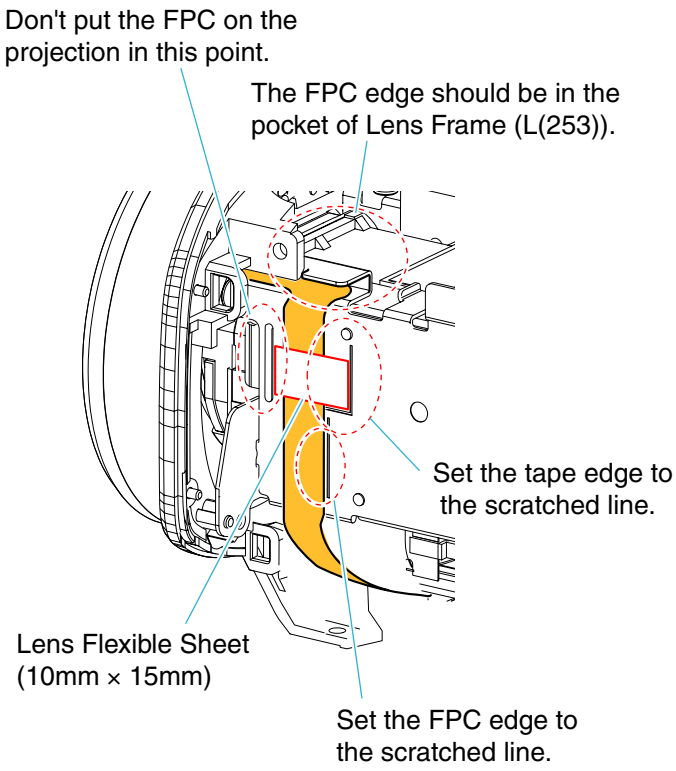
EXPLODED VIEW HARDWARE LIST



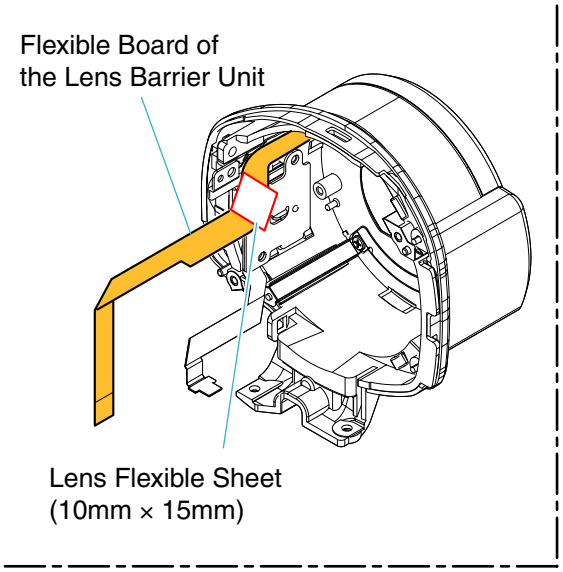
HELP

Sheet attachment positions and procedures of processing the flexible boards/harnesses are shown.

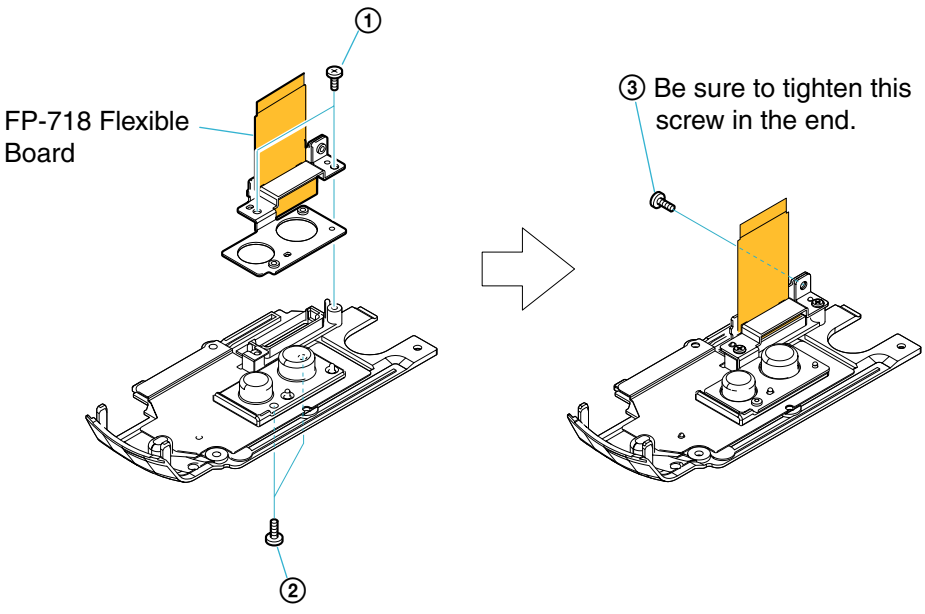
SR5/SR5C/SR5E


Don't put the FPC on the projection in this point.
The FPC edge should be in the pocket of Lens Frame (L(253)).
Set the tape edge to the scratched line.
Lens Flexible Sheet (10mm × 15mm)
Set the FPC edge to the scratched line.

SR7/SR7E/SR8/SR8E

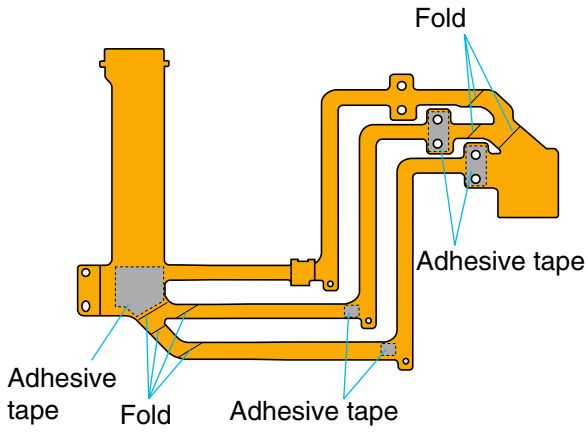


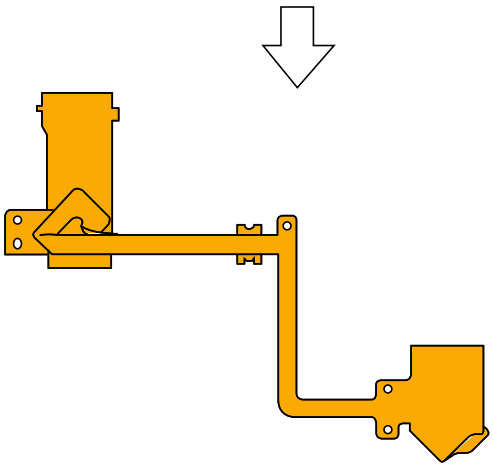
THE METHOD OF ATTACHMENT OF FP-718 FLEXIBLE BOARD



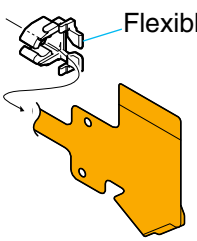
THE METHOD OF ATTACHMENT OF FP-537 FLEXIBLE BOARD AND FP-546 FLEXIBLE BOARD

① Fold dotted line parts of the FP-537 flexible board as shown in figure.

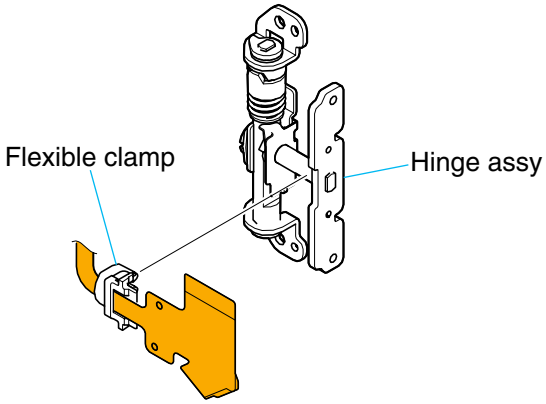




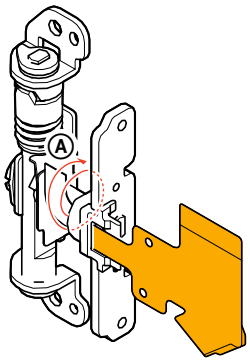
② Pass the FP-537 flexible board through the flexible clamp.



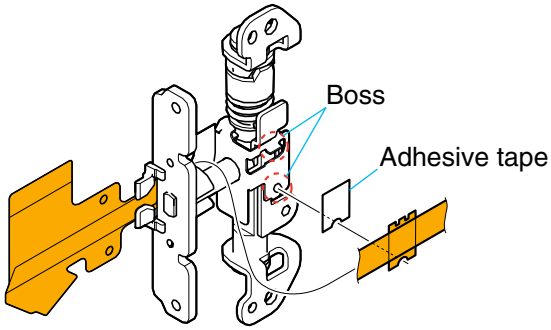
③ Install the flexible clamp in the hinge assy.



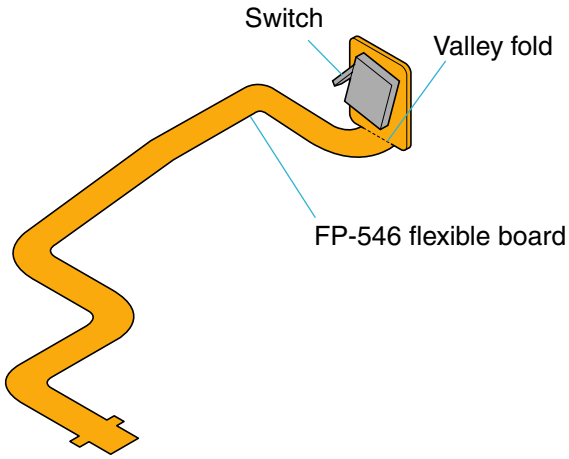
④ Roll the the FP-537 flexible board 1.5 times, in the direction of arrow Ⓐ.



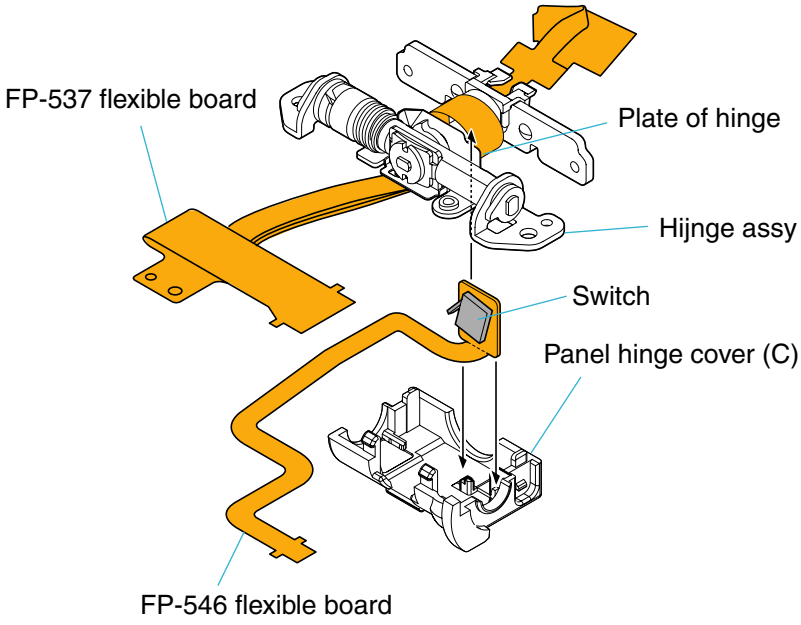
⑤ Put the adhesive sheet and FP-537 flexible board on the hinge assy according to the position of the boss.



⑥ Fold dotted line parts of the FP-546 flexible board as shown in figure.



⑦ Install the FP-546 flexible board in the panel hinge cover (C) as shown in figure.
⑧ Install the panel hinge cover (C) in the hinge assy as shown in figure.



3. BLOCK DIAGRAMS

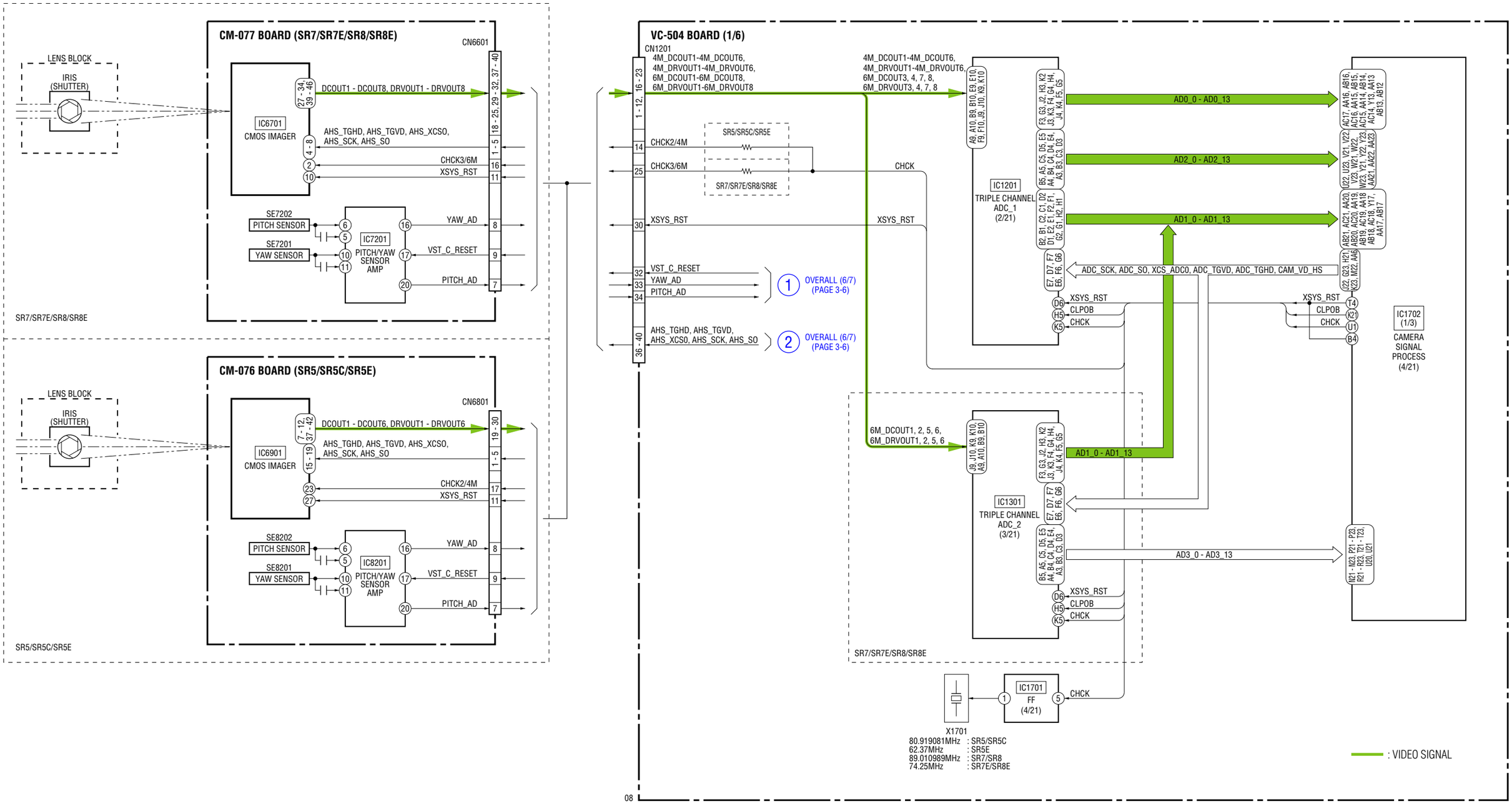
Link

OVERALL BLOCK DIAGRAM (1/7)	OVERALL BLOCK DIAGRAM (6/7)
OVERALL BLOCK DIAGRAM (2/7)	OVERALL BLOCK DIAGRAM (7/7)
OVERALL BLOCK DIAGRAM (3/7)	POWER BLOCK DIAGRAM (1/3)
OVERALL BLOCK DIAGRAM (4/7)	POWER BLOCK DIAGRAM (2/3)
OVERALL BLOCK DIAGRAM (5/7)	POWER BLOCK DIAGRAM (3/3)

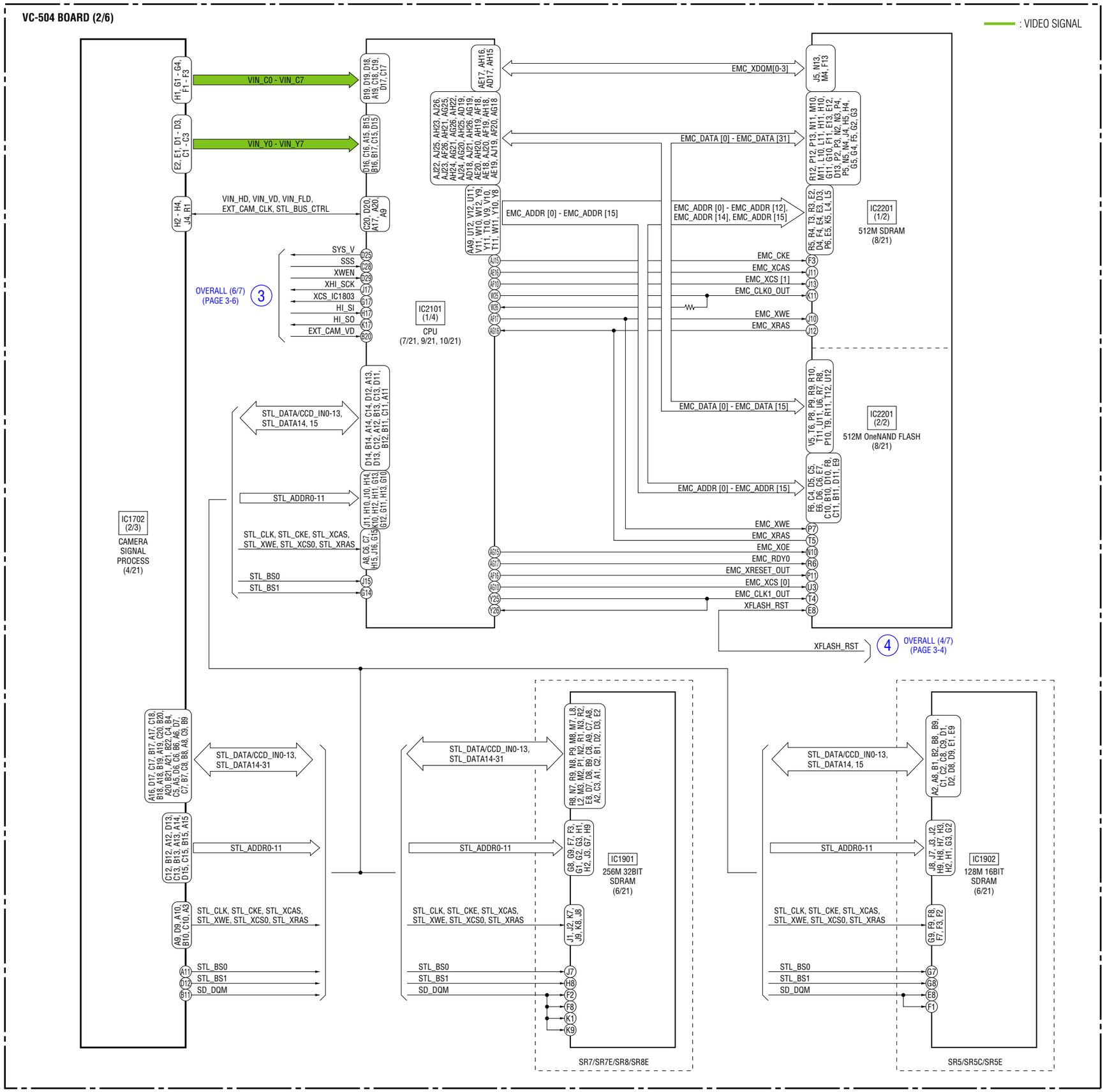
3. BLOCK DIAGRAMS

3-1. OVERALL BLOCK DIAGRAM (1/7)

( ) : Number in parenthesis ( ) indicates the division number of schematic diagram where the component is located.

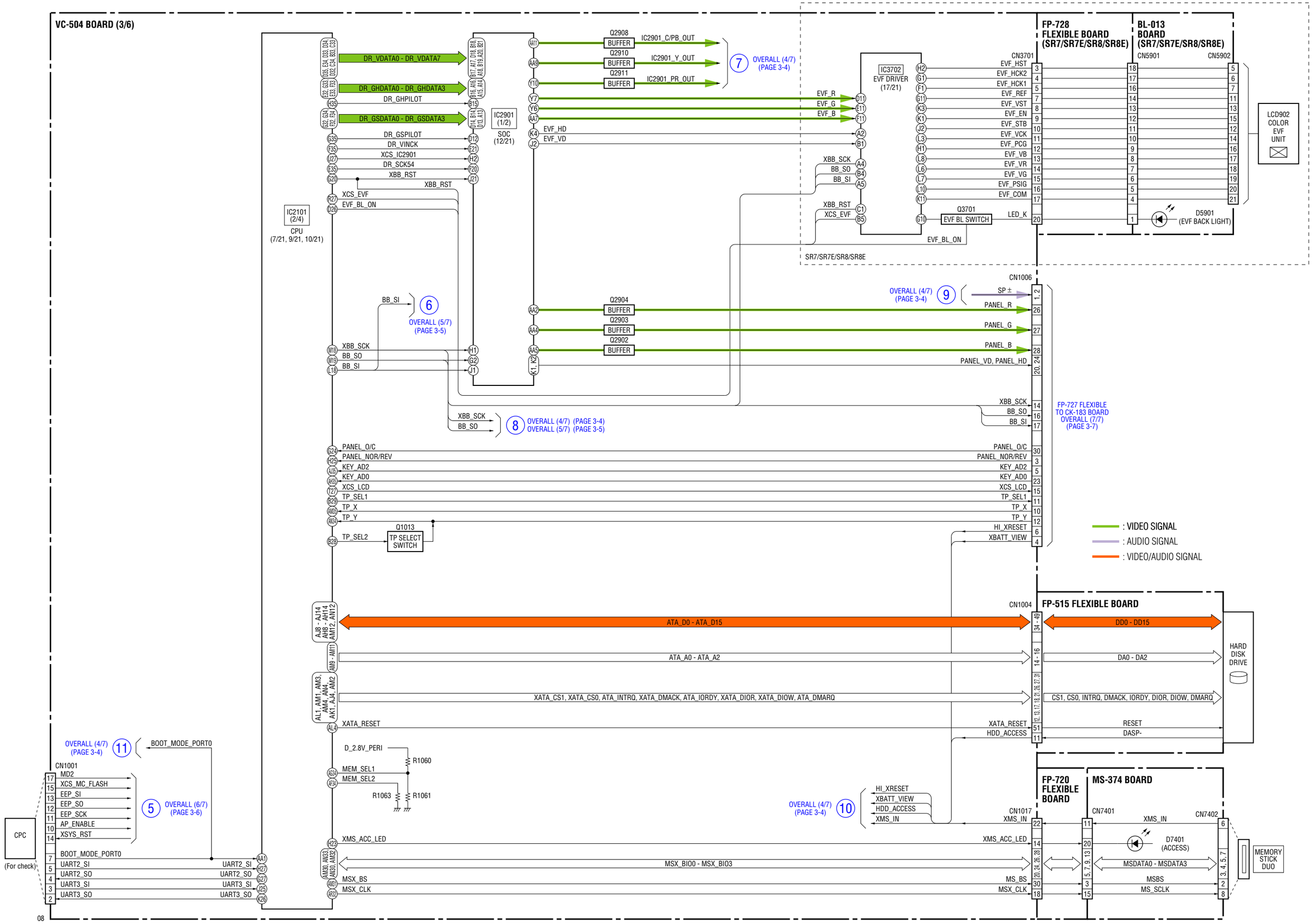


3-2. OVERALL BLOCK DIAGRAM (2/7) ( ) : Number in parenthesis ( ) indicates the division number of schematic diagram where the component is located.



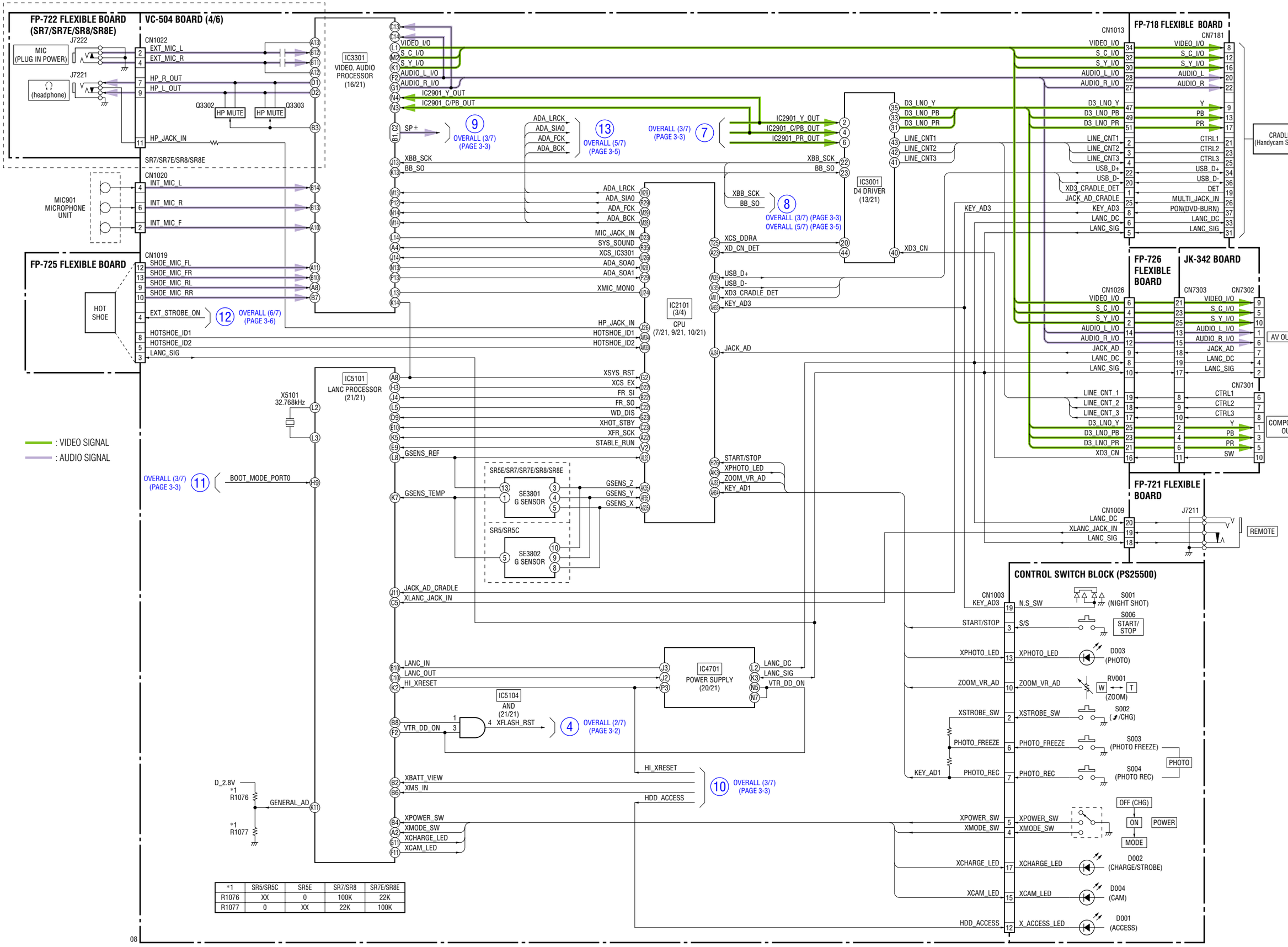
3-3. OVERALL BLOCK DIAGRAM (3/7)

( ) : Number in parenthesis ( ) indicates the division number of schematic diagram where the component is located.



3-4. OVERALL BLOCK DIAGRAM (4/7)

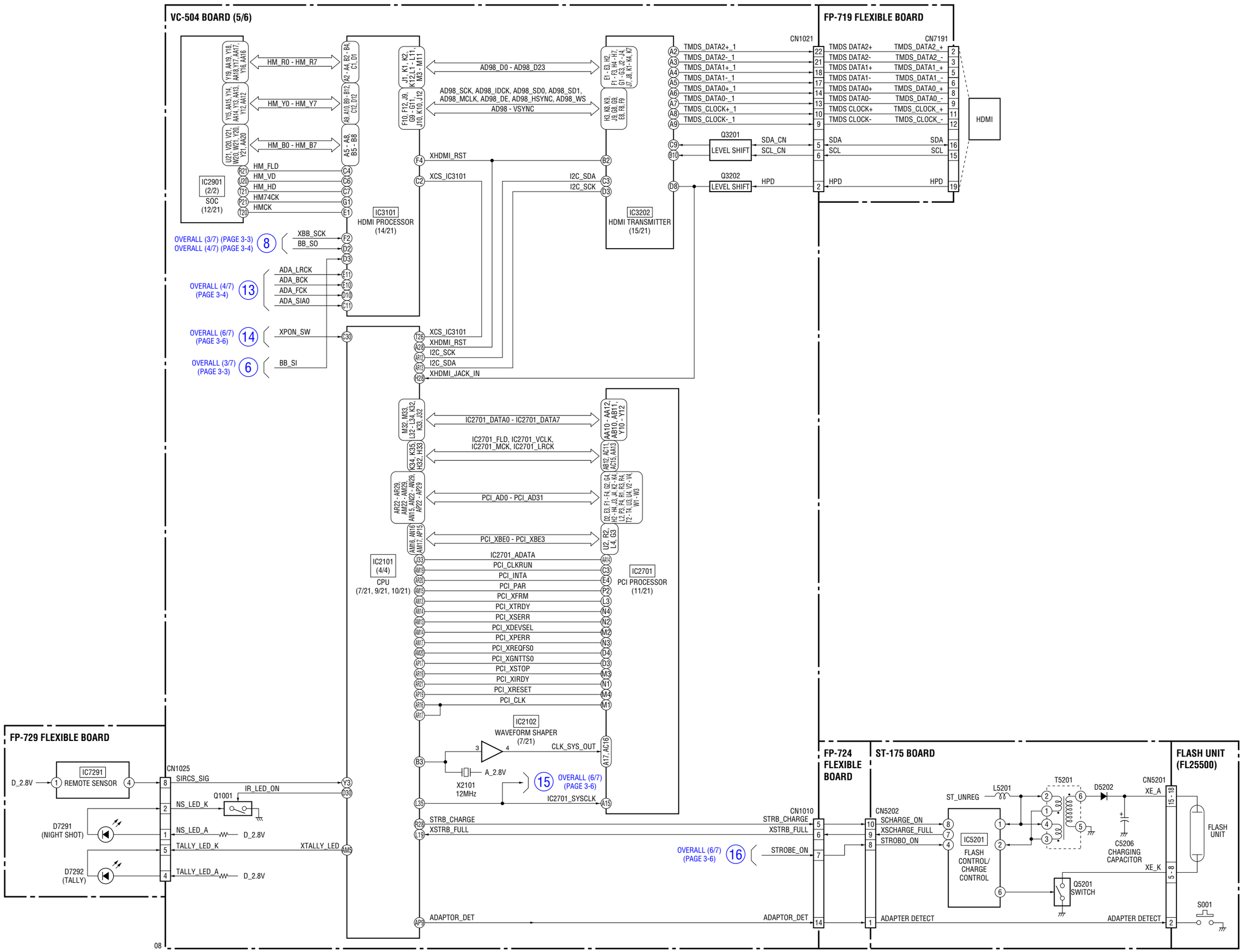
( ) : Number in parenthesis ( ) indicates the division number of schematic diagram where the component is located.



*1	SR5/SR5C	SR5E	SR7/SR8	SR7E/SR8E
R1076	XX	0	100K	22K
R1077	0	XX	22K	100K

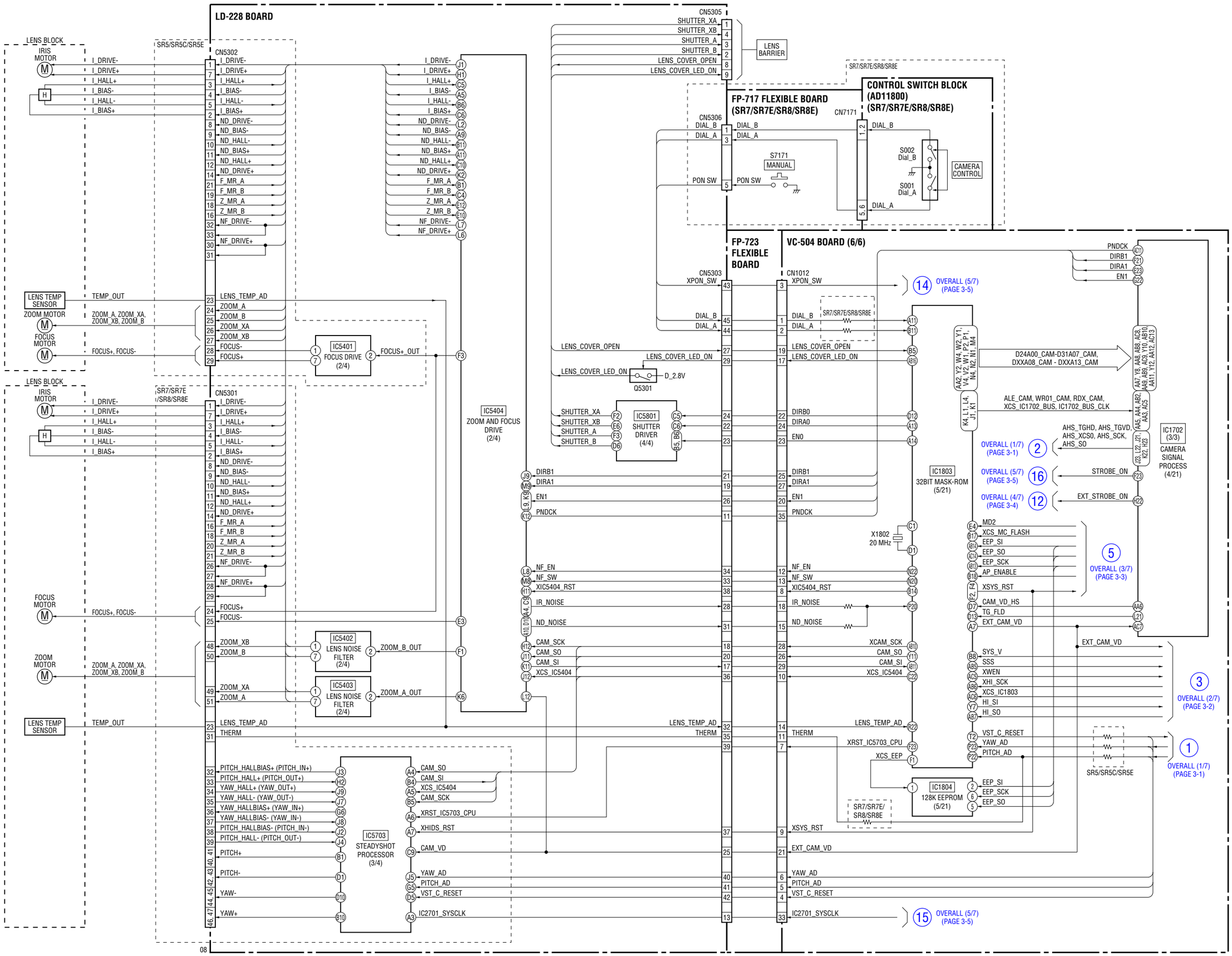
3-5. OVERALL BLOCK DIAGRAM (5/7)

( ) : Number in parenthesis ( ) indicates the division number of schematic diagram where the component is located.



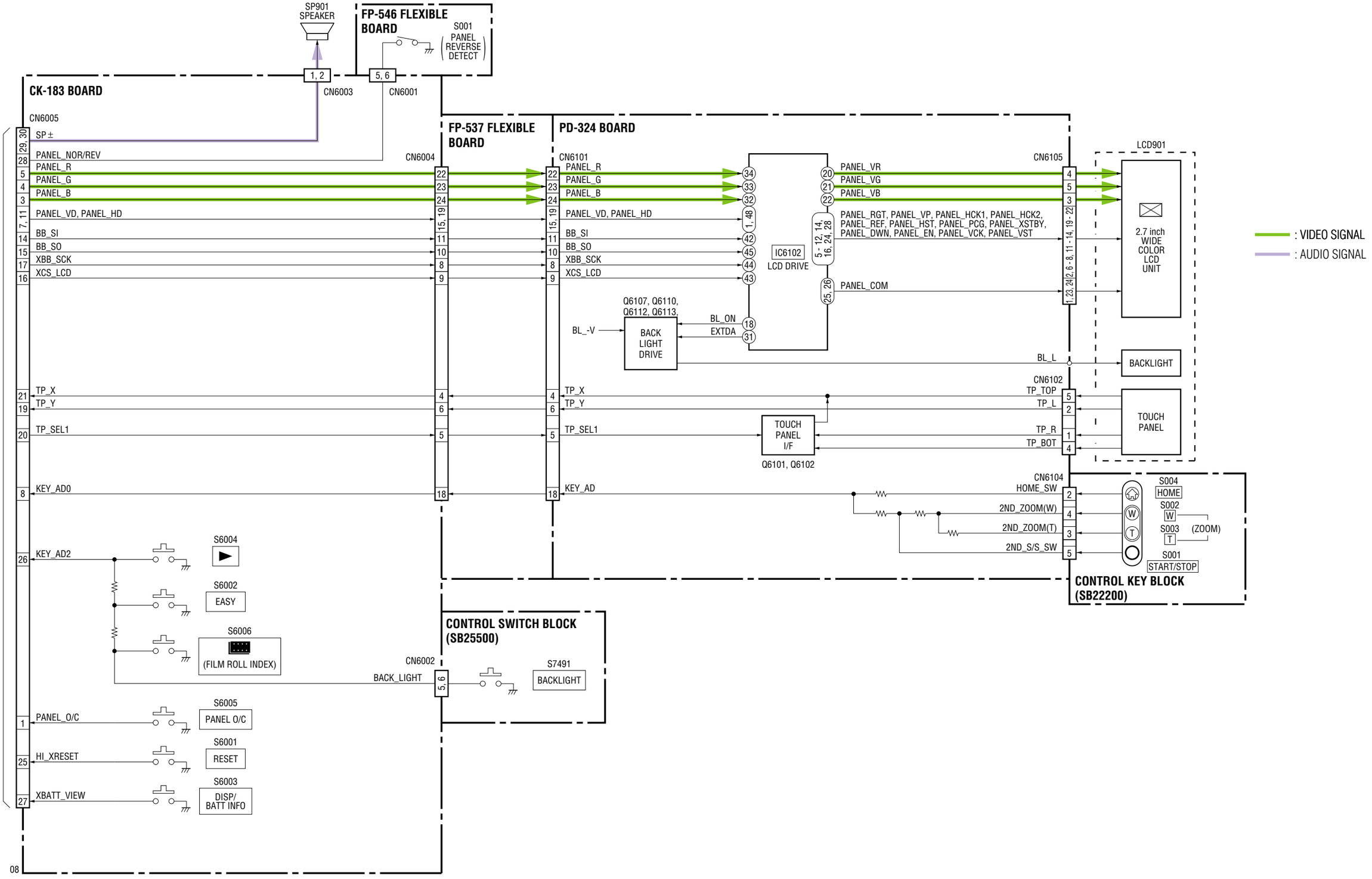
3-6. OVERALL BLOCK DIAGRAM (6/7)

( ) : Number in parenthesis ( ) indicates the division number of schematic diagram where the component is located.



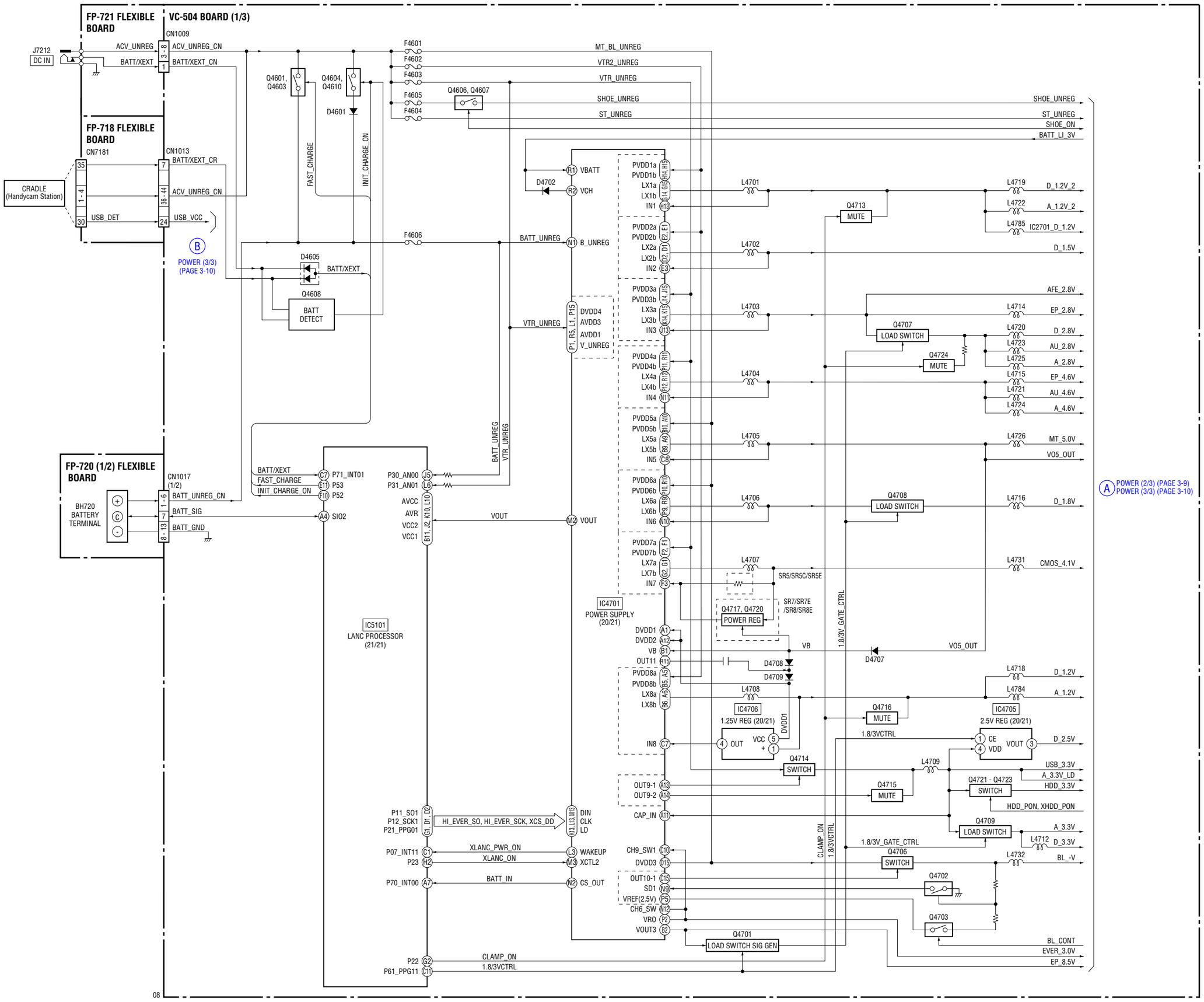
3-7. OVERALL BLOCK DIAGRAM (7/7)

( ) : Number in parenthesis ( ) indicates the division number of schematic diagram where the component is located.



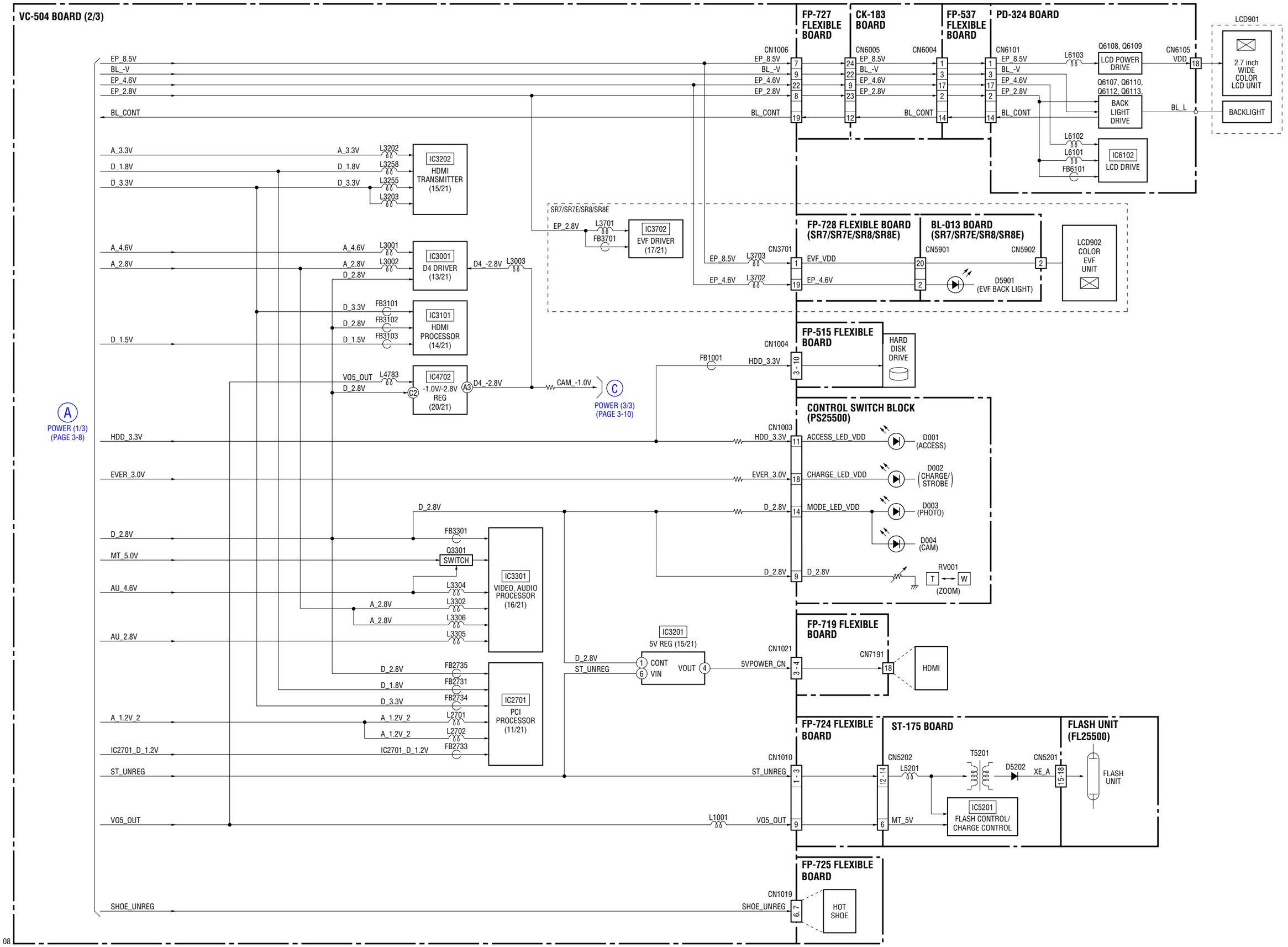
3-8. POWER BLOCK DIAGRAM (1/3)

( ) : Number in parenthesis ( ) indicates the division number of schematic diagram where the component is located.



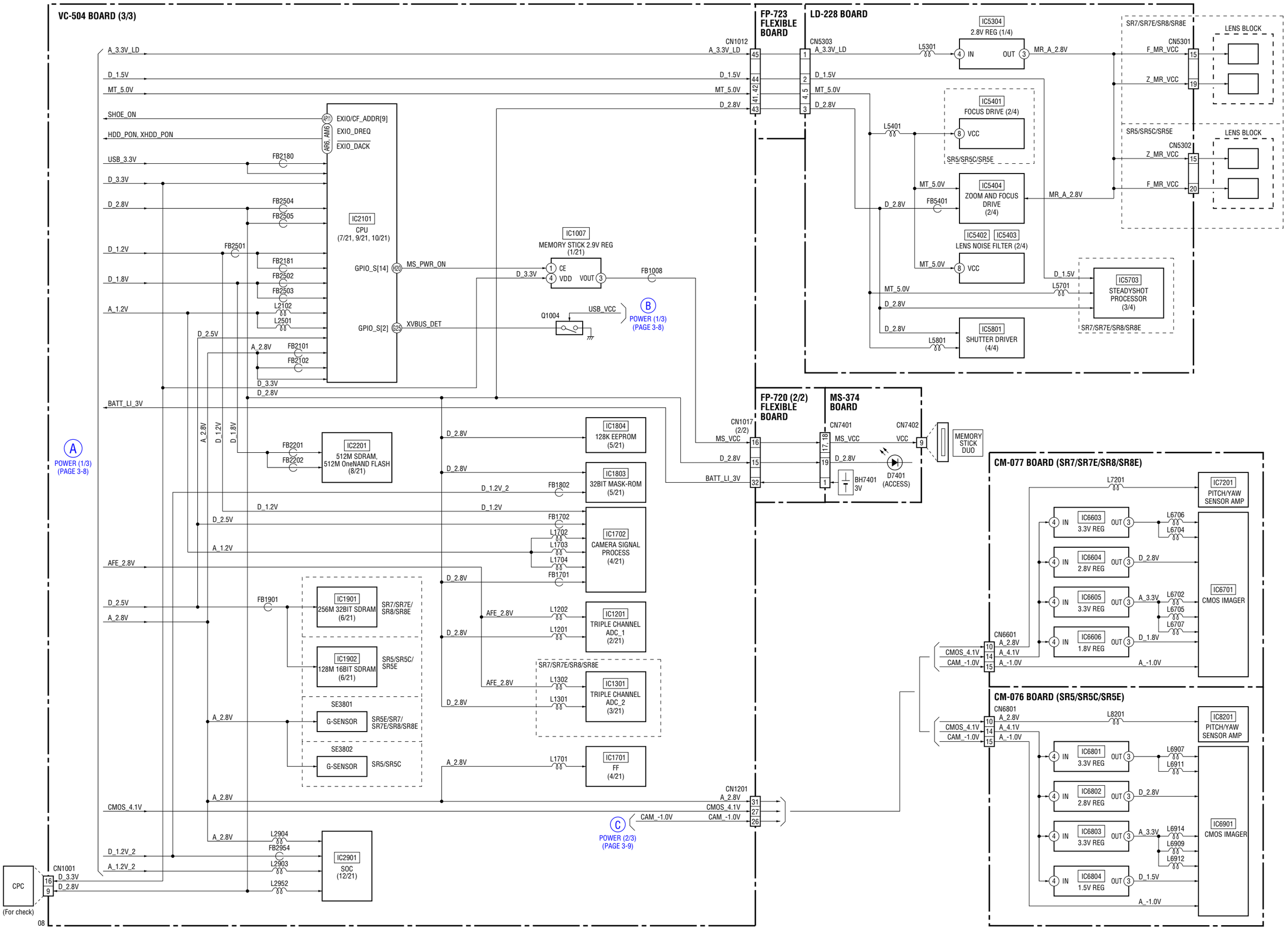
3-9. POWER BLOCK DIAGRAM (2/3)

( ) : Number in parenthesis ( ) indicates the division number of schematic diagram where the component is located.



3-10. POWER BLOCK DIAGRAM (3/3)

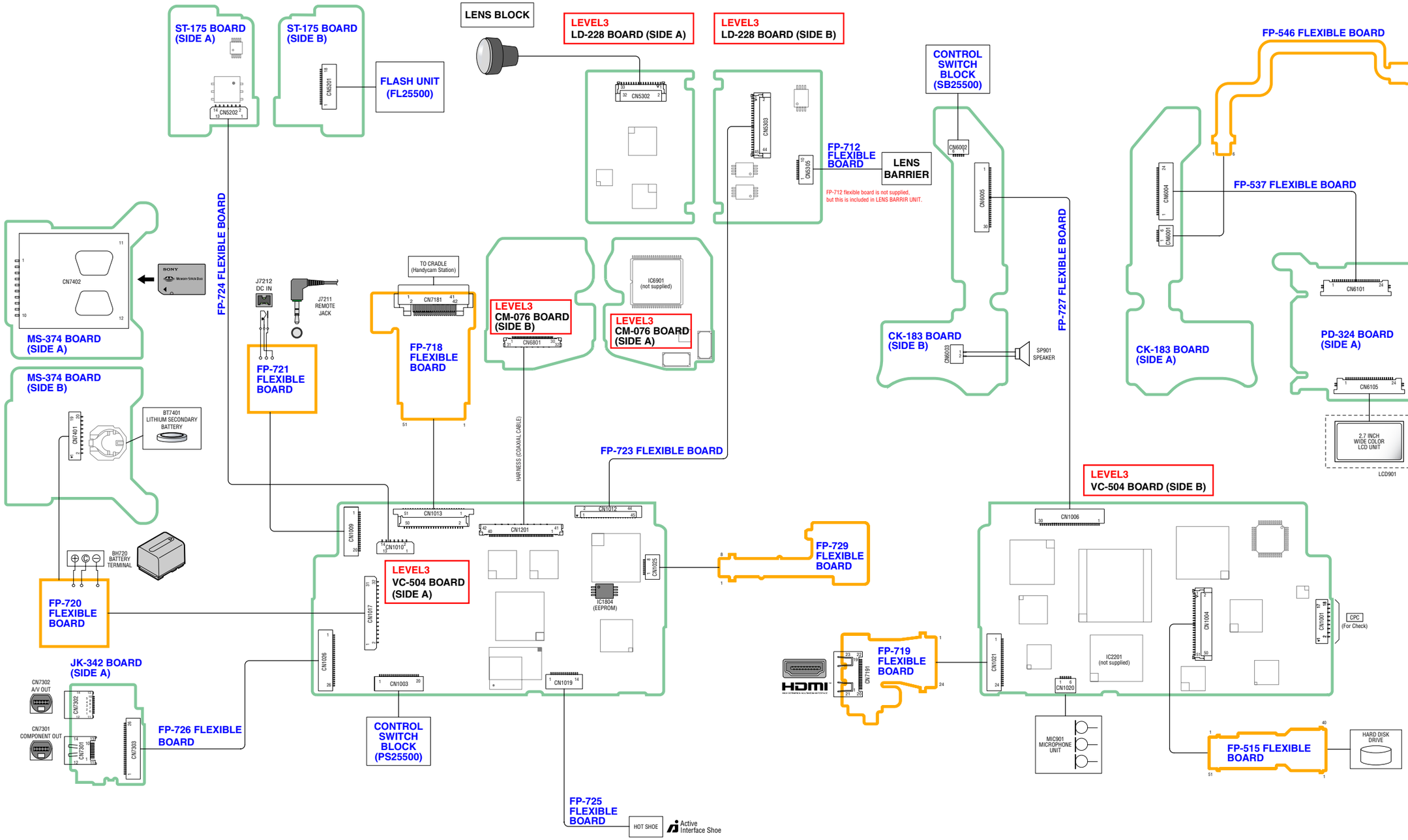
( ) : Number in parenthesis ( ) indicates the division number of schematic diagram where the component is located.



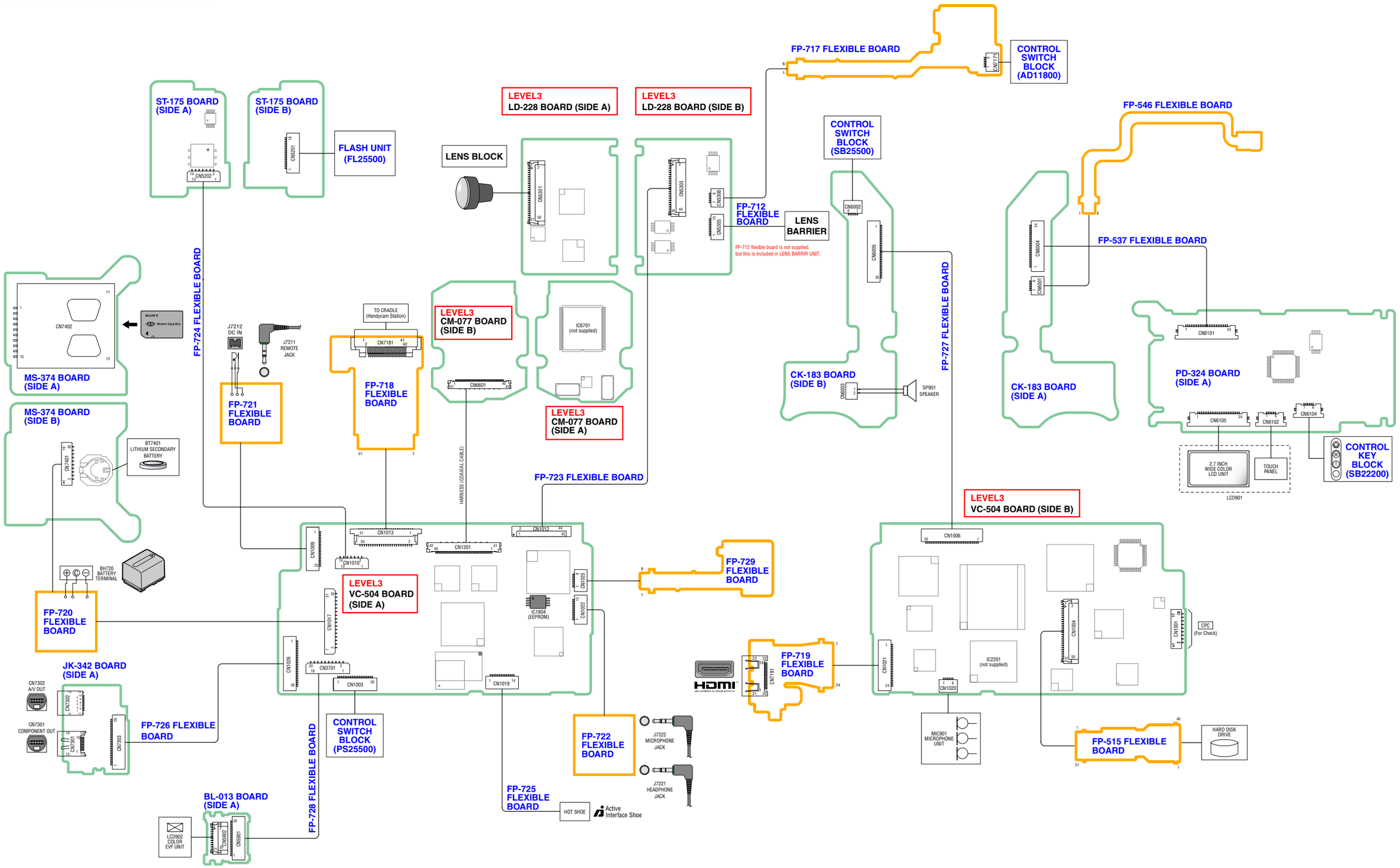
4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

4-1. FRAME SCHEMATIC DIAGRAM

4-1-1. HDR-SR5/SR5C/SR5E



4-1-2. HDR-SR7/SR7E/SR8/SR8E



4-2. SCHEMATIC DIAGRAMS

Link

CK-183 BOARD (CONTROL SWITCH)	FP-721 FLEXIBLE BOARD (REMOTE, DC IN)
PD-324 BOARD (LCD DRIVE)	FP-722 FLEXIBLE BOARD : SR7/SR7E/SR8/SR8E (HP, MIC JACK)
JK-342 BOARD (JACK)	FP-723 FLEXIBLE BOARD (LD-VC CONNECTION)
ST-175 BOARD (FLASH DRIVE)	FP-724 FLEXIBLE BOARD (VC-ST CONNECTION)
MS-374 BOARD (MS CONNECTOR)	FP-725 FLEXIBLE BOARD (HOT SHOE CONNECTION)
BL-013 BOARD : SR7/SR7E/SR8/SR8E (EVF, EVF BACKLIGHT)	FP-726 FLEXIBLE BOARD (VC-JK CONNECTION)
FP-515 FLEXIBLE BOARD (HDD CONNECTION)	FP-727 FLEXIBLE BOARD (VC-CK CONNECTION)
FP-537 FLEXIBLE BOARD (CK-PD CONNECTION)	FP-728 FLEXIBLE BOARD : SR7/SR7E/SR8/SR8E(BL-VC CONNECTION)
FP-546 FLEXIBLE BOARD (PANEL REVERSE DETECTION SWITCH)	FP-729 FLEXIBLE BOARD (REMOTE SENSOR)
FP-712 FLEXIBLE BOARD (LENS BARRIER)	CONTROL SWITCH BLOCK (AD11800) : SR7/SR7E/SR8/SR8E
FP-717 FLEXIBLE BOARD : SR7/SR7E/SR8/SR8E (MANUAL CONTROL SWITCH)	CONTROL SWITCH BLOCK (PS25500)
FP-718 FLEXIBLE BOARD (CRADLE TERMINAL)	CONTROL SWITCH BLOCK (SB25500)
FP-719 FLEXIBLE BOARD (HDMI CONNECTOR)	CONTROL KEY BLOCK (SB22200)
FP-720 FLEXIBLE BOARD (BATTERY TERMINAL)	FLASH UNIT (FL25500)

COMMON NOTE FOR SCHEMATIC DIAGRAMS	SIGNAL LOCATION

4-2. SCHEMATIC DIAGRAMS (ENGLISH)

THIS NOTE IS COMMON FOR SCHEMATIC DIAGRAMS
(In addition to this, the necessary note is printed in each block)

(For schematic diagrams)

- All capacitors are in μF unless otherwise noted. pF : μμF. 50 V or less are not indicated except for electrolytics and tantalums.
- Chip resistors are 1/10 W unless otherwise noted. kΩ=1000 Ω, MΩ=1000 kΩ.
- Caution when replacing chip parts.
  New parts must be attached after removal of chip.
  Be careful not to heat the minus side of tantalum capacitor, Because it is damaged by the heat.
- Some chip part will be indicated as follows.

  Example C541 22U TA A — Kinds of capacitor / Case size
  L452 10UH 2520 — External dimensions (mm)
- Constants of resistors, capacitors, ICs and etc with XX indicate that they are not used.
  In such cases, the unused circuits may be indicated.
- Parts with ★ differ according to the model/destination.
  Refer to the mount table for each function.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- Signal name
  XEDIT → $\overline{\text{EDIT}}$ PB/XREC → PB/$\overline{\text{REC}}$
- : non flammable resistor
- : fusible resistor
- : panel designation
- : B+ Line
- : B– Line
- : IN/OUT direction of (+,–) B LINE.
- : adjustment for repair.

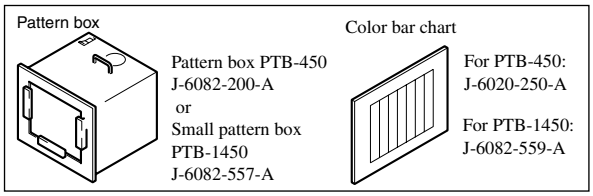
(Measuring conditions voltage and waveform)

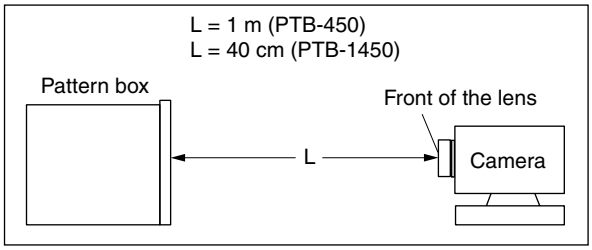
- Voltages and waveforms are measured between the measurement points and ground when camera shoots color bar chart of pattern box. They are reference values and reference waveforms.
  (VOM of DC 10 MΩ input impedance is used)
- Voltage values change depending upon input impedance of VOM used.)

Precautions for Replacement of Imager

- If the imager has been replaced, carry out all the adjustments for the camera section.
- As the imager may be damaged by static electricity from its structure, handle it carefully like for the MOS IC.
  In addition, ensure that the receiver is not covered with dusts nor exposed to strong light.

1. Connection





2. Adjust the distance so that the output waveform of Fig. a and the Fig. b can be obtain.

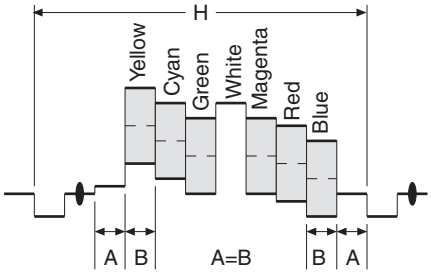


Fig. a (Video output terminal output waveform)

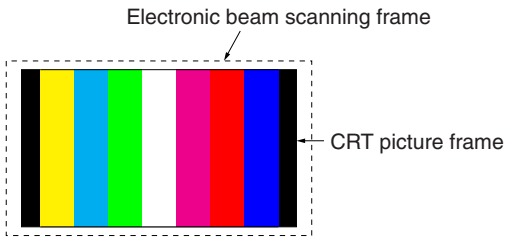


Fig.b (Picture on monitor TV)

When indicating parts by reference number, please include the board name.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifie.

(JAPANESE)

回路図共通ノート
（他に必要なノートは各ブロックに記載してあります）
【回路図ノート】
・ケミコン，タンタルを除くコンデンサで，耐圧50V以下のものはその耐圧を省略。単位はすべてμF（pはpF）。
・チップ抵抗で指示のないものは，1／10W以下。
kΩ＝1000Ω，MΩ＝1000kΩ
・チップ部品交換時の注意
取り外した部品は再使用せず，未使用の部品をご使用ください。
タンタルコンデンサのマイナス側は熱に弱いため注意してください。
・チップ部品には下記のように表示したものがあります。

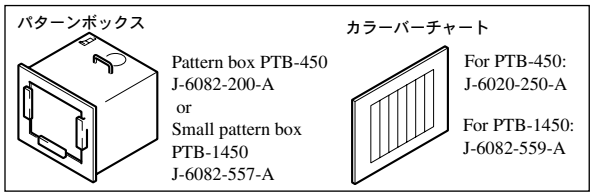
例	C 541	L 452
	22U	10UH
	TA A	2520
	↑ ↑	↑
	種類 ケースサイズ	外形寸法（mm）

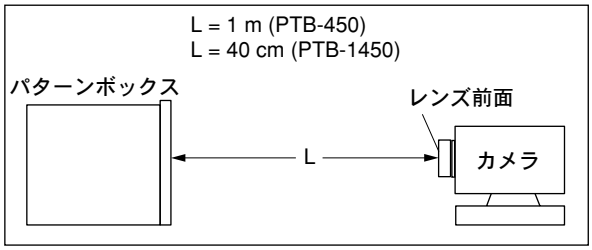
・抵抗，コンデンサ，ICなど定数にXXがあるものは，使用していない事を示しています。このため，使用していない回路が記載されている事があります。
・★印のある部品は，機種などにより異なりますので機能別マウント一覧表を参照してください。
・可変抵抗と半固定抵抗で，B特性の表示を省略。
・信号名表記について，下記のような場合があります。
XEDIT → $\overline{\text{EDIT}}$　　PB/XREC → PB/$\overline{\text{REC}}$
・ は不燃性抵抗。
・ はヒューズ抵抗。
・ はパネル表示名称。
・はB＋ライン。
・はB－ライン。
・ はBライン（＋，－）の入出力方向を示す。
・ は調整名称。

【電圧・波形測定条件ノート】
・電圧値及び信号波形はパターンボックスのカラーバーチャートを被写体としたときの測定点対アース間の参考値。
（デジタルマルチメータ；入力インピーダンス　DC10MΩ使用）
・使用テスタの入力インピーダンスにより電圧値が多少異なります。

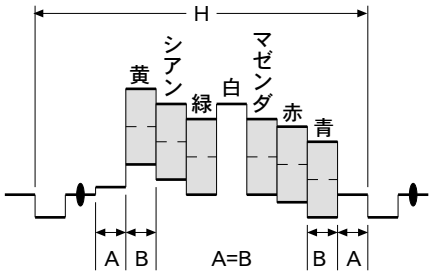
イメージャ交換時の注意
・イメージャを交換した場合は，カメラ部の全調整を行ってください。
・イメージャは構造上，静電気により破壊される恐れがあるため，MOS ICと同様に注意して取り扱ってください。
また，受光部にはゴミの付着，および強い光がはいることのないように注意してください。

1. 接続図

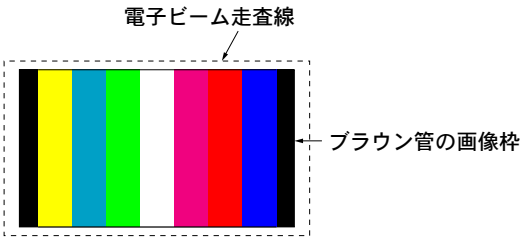




2. 図a及び図bの波形が得られるように画枠調整して下さい。



図a（映像入出力端子出力波形）

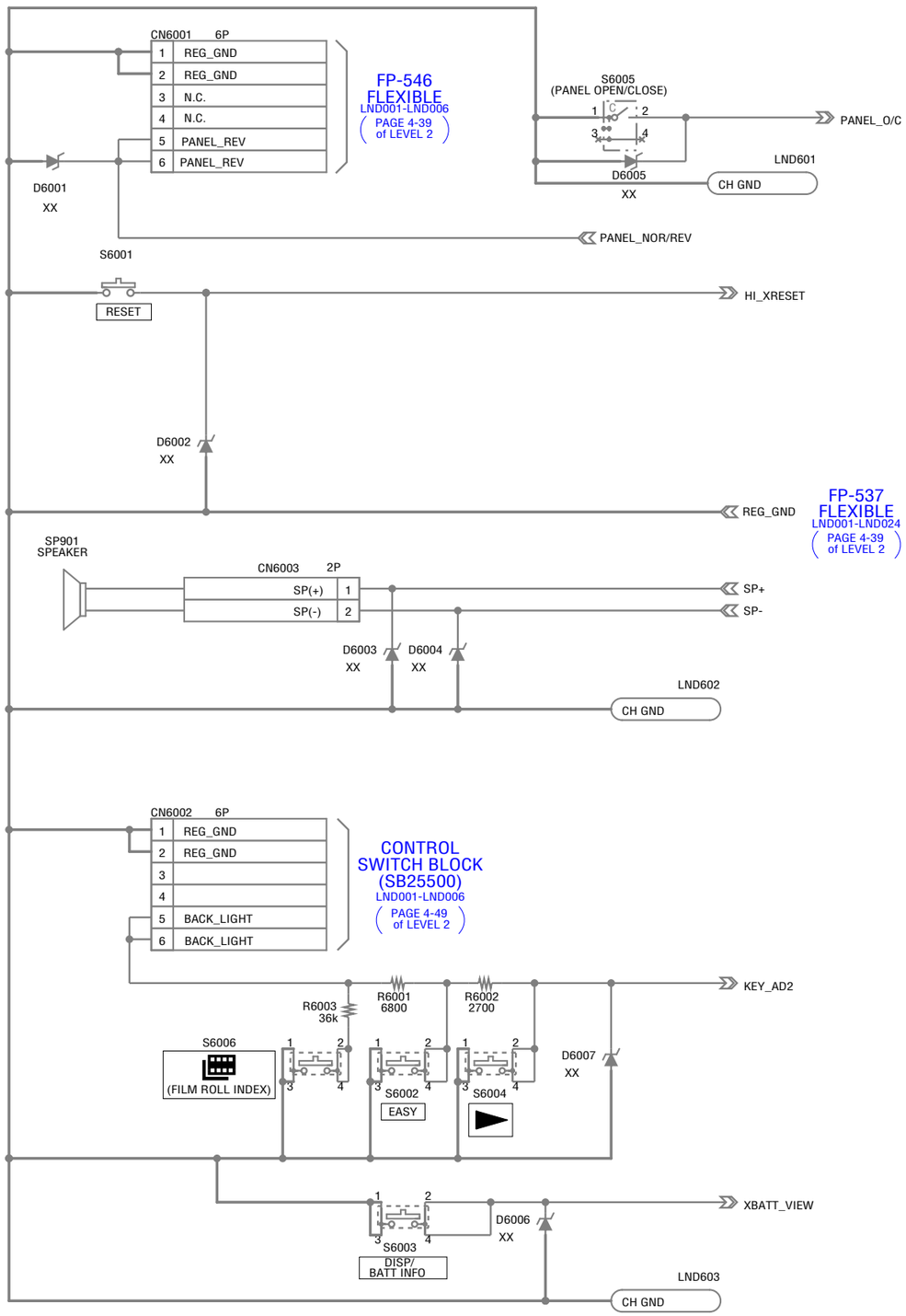


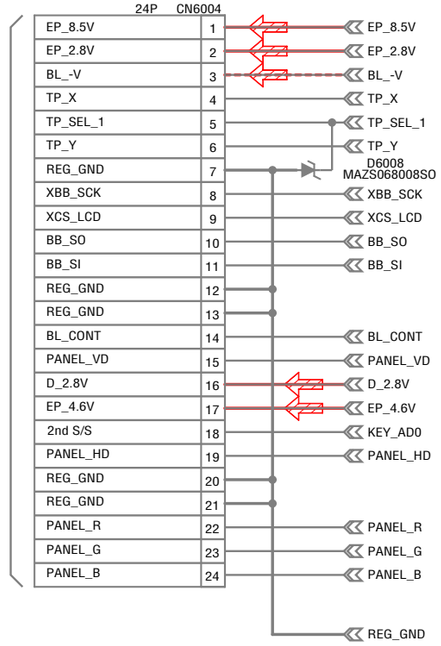
図b（テレビモニタの映像）

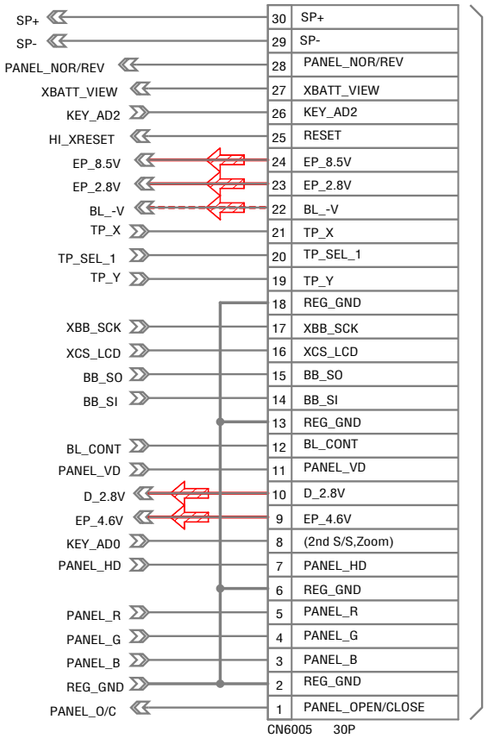
⚠印の部品，または⚠印付きの点線で囲まれた部品は，安全性を維持するために重要な部品です。
従って交換時は，必ず指定の部品を使用して下さい。

お願い
図面番号で部品を指定するときは基板名又はブロックを併せて指定して下さい。

Schematic diagrams of the CM-076, CM-077, VC-504 and LD-228 boards are not shown.
Pages from 4-5 to 4-31 are not shown.







CK-183 BOARD

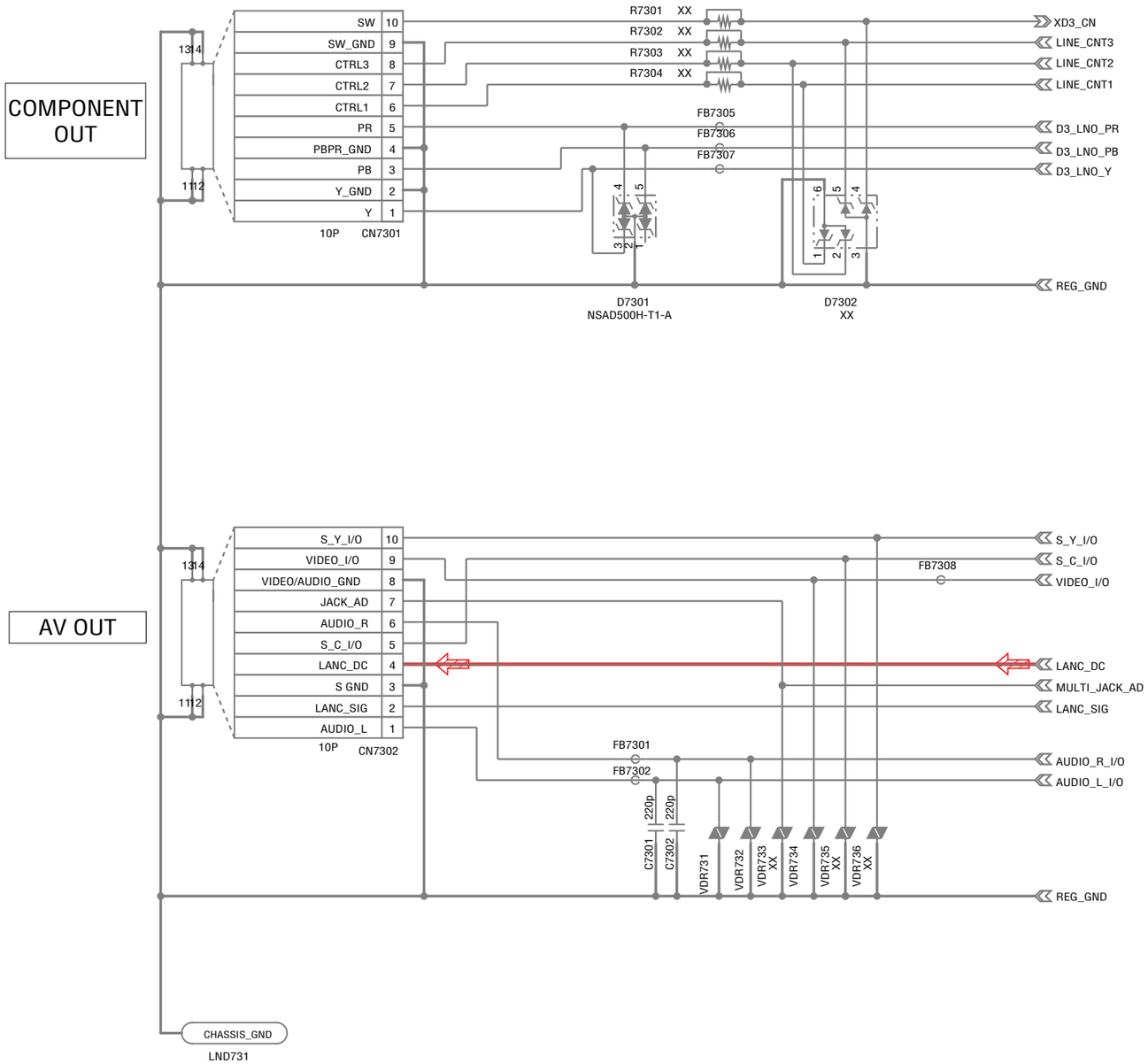
CONTROL SWITCH

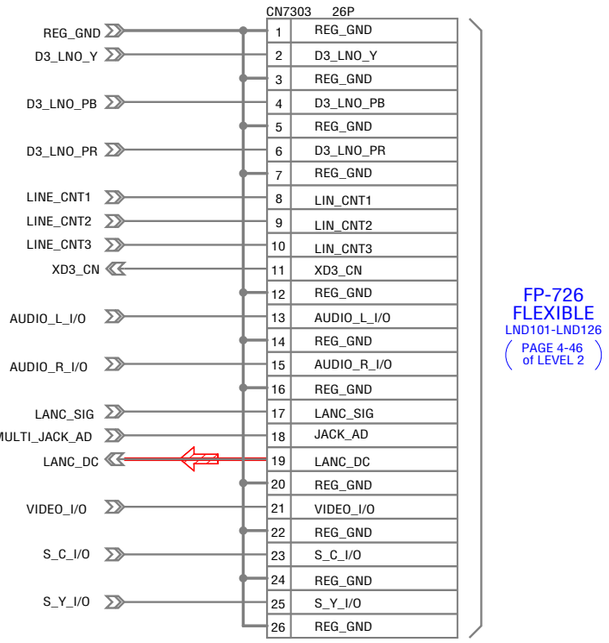
XX MARK:NO MOUNT

PD-324 BOARD

LCD DRIVE

XX MARK:NO MOUNT





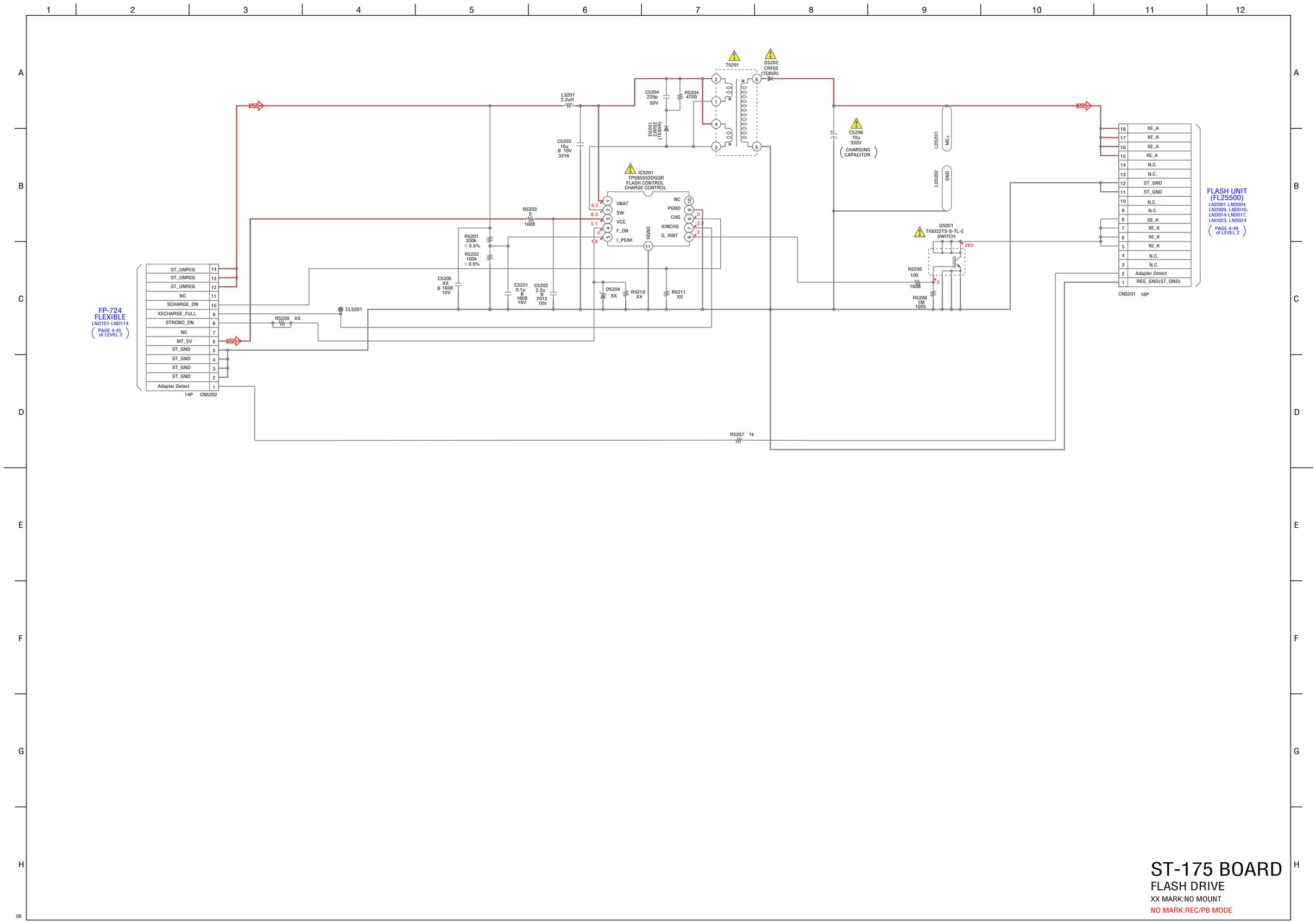
FP-726
FLEXIBLE
LND101-LND126
(PAGE 4-46 of LEVEL 2)

JK-342 BOARD

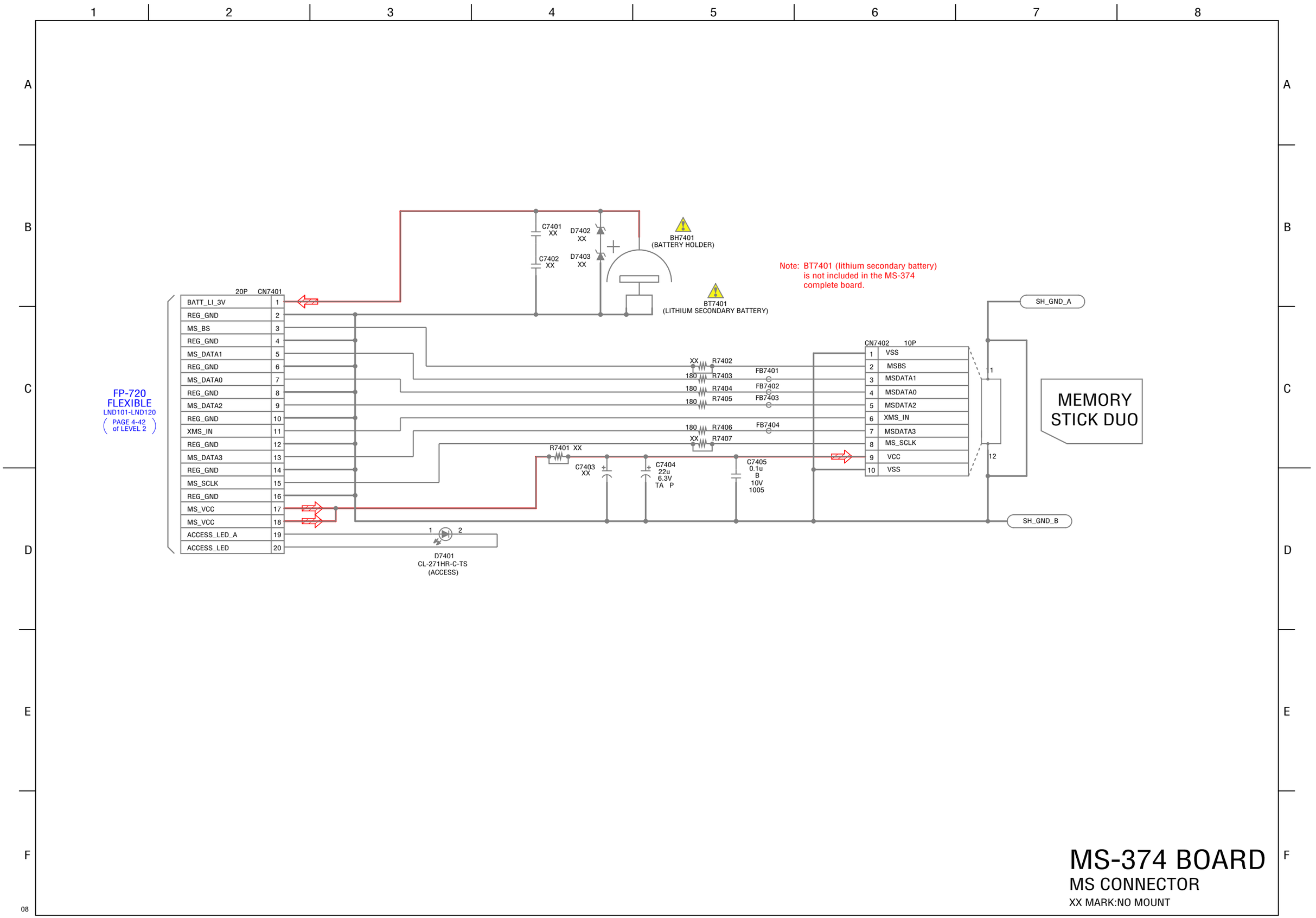
JACK

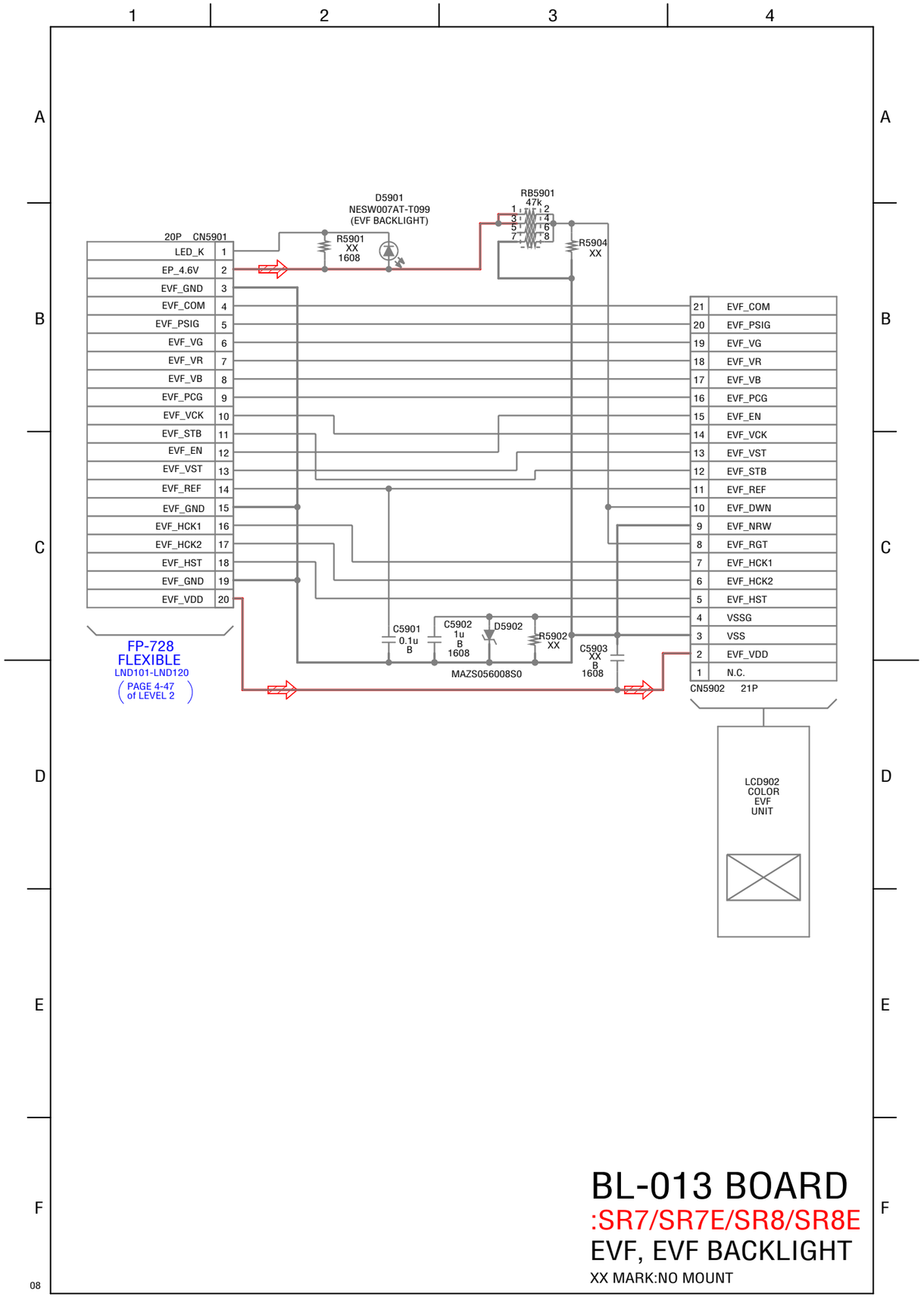
XX MARK:NO MOUNT

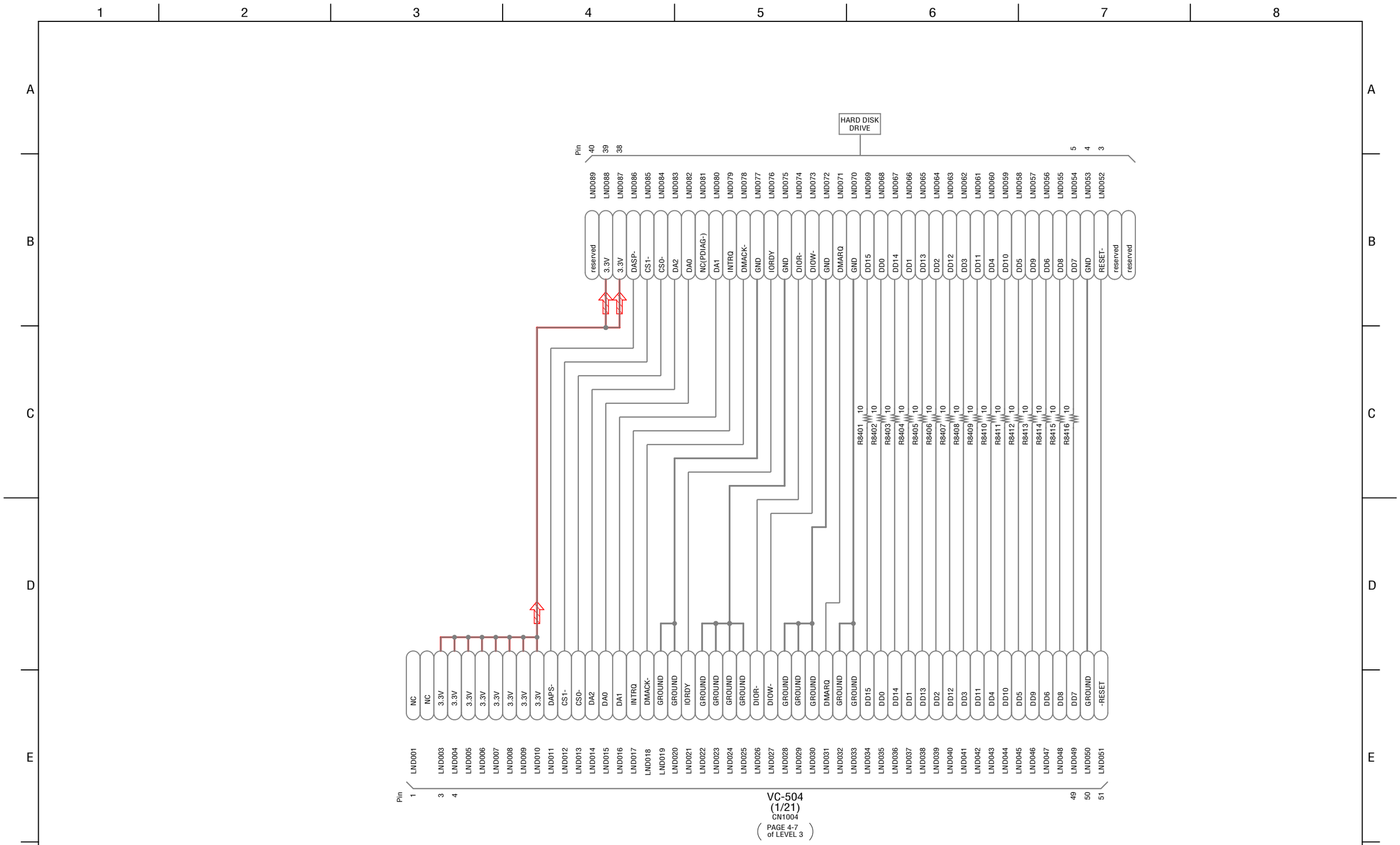
• Refer to page 4-3 (English), 4-4 (Japanese) for mark ⚠.



• Refer to page 4-3 (English), 4-4 (Japanese) for mark ⚠.

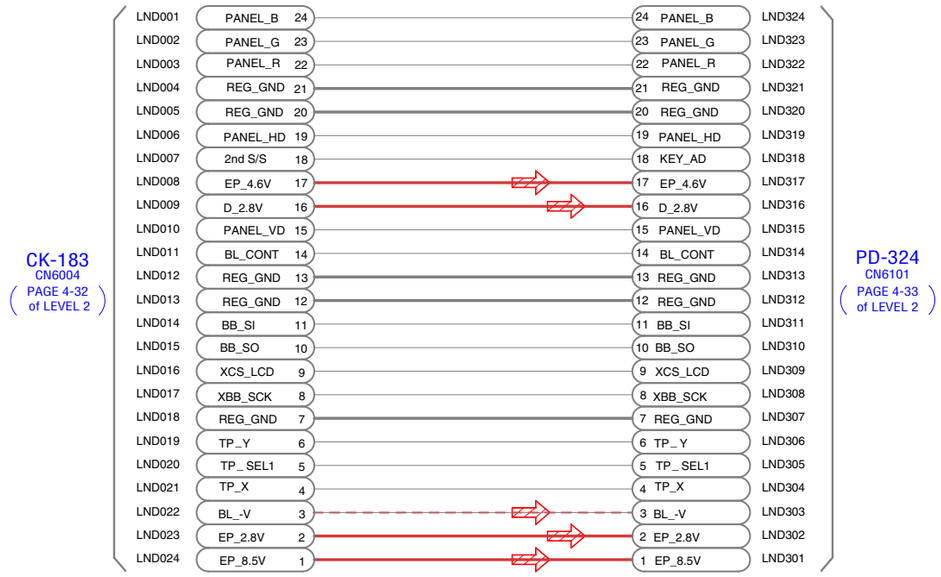



1
2
3
4
A
B
C
D
E
F
20P CN5901
LED_K 1
EP_4.6V 2
EVF_GND 3
EVF_COM 4
EVF_PSIG 5
EVF_VG 6
EVF_VR 7
EVF_VB 8
EVF_PCG 9
EVF_VCK 10
EVF_STB 11
EVF_EN 12
EVF_VST 13
EVF_REF 14
EVF_GND 15
EVF_HCK1 16
EVF_HCK2 17
EVF_HST 18
EVF_GND 19
EVF_VDD 20
D5901
NESW007AT-T099
(EVF BACKLIGHT)
R5901
XX
1608
RB5901
47k
R5904
XX
C5901
0.1u
B
C5902
1u
B
1608
D5902
R5902
XX
MAZS056008S0
C5903
XX
B
1608
21 EVF_COM
20 EVF_PSIG
19 EVF_VG
18 EVF_VR
17 EVF_VB
16 EVF_PCG
15 EVF_EN
14 EVF_VCK
13 EVF_VST
12 EVF_STB
11 EVF_REF
10 EVF_DWN
9 EVF_NRW
8 EVF_RGT
7 EVF_HCK1
6 EVF_HCK2
5 EVF_HST
4 VSSG
3 VSS
2 EVF_VDD
1 N.C.
CN5902 21P
FP-728
FLEXIBLE
LND101-LND120
PAGE 4-47
of LEVEL 2
LCD902
COLOR
EVF
UNIT
BL-013 BOARD
:SR7/SR7E/SR8/SR8E
EVF, EVF BACKLIGHT
XX MARK:NO MOUNT
08


HARD DISK DRIVE
Pin 40 39 38 5 4 3
LND089 LND088 LND087 LND086 LND085 LND084 LND083 LND082 LND081 LND080 LND079 LND078 LND077 LND076 LND075 LND074 LND073 LND072 LND071 LND070 LND069 LND068 LND067 LND066 LND065 LND064 LND063 LND062 LND061 LND060 LND059 LND058 LND057 LND056 LND055 LND054 LND053 LND052
reserved 3.3V 3.3V DASP- CS1- CS0- DA2 DA0 NC(PDIAG-) DA1 INTRQ DMACK- GND IORDY GND DIOR- DIOW- GND DMARQ GND DD15 DD0 DD14 DD1 DD13 DD2 DD12 DD3 DD11 DD4 DD10 DD5 DD9 DD6 DD8 DD7 GND RESET- reserved reserved
10 R8401 R8402 R8403 R8404 R8405 R8406 R8407 R8408 R8409 R8410 R8411 R8412 R8413 R8414 R8415 R8416
NC NC 3.3V 3.3V 3.3V 3.3V 3.3V 3.3V 3.3V DAPS- CS1- CS0- DA2 DA0 DA1 INTRQ DMACK- GROUND GROUND IORDY GROUND GROUND GROUND GROUND DIOR- DIOW- GROUND GROUND GROUND DMARQ GROUND GROUND DD15 DD0 DD14 DD1 DD13 DD2 DD12 DD3 DD11 DD4 DD10 DD5 DD9 DD6 DD8 DD7 GROUND -RESET
LND001 LND003 LND004 LND005 LND006 LND007 LND008 LND009 LND010 LND011 LND012 LND013 LND014 LND015 LND016 LND017 LND018 LND019 LND020 LND021 LND022 LND023 LND024 LND025 LND026 LND027 LND028 LND029 LND030 LND031 LND032 LND033 LND034 LND035 LND036 LND037 LND038 LND039 LND040 LND041 LND042 LND043 LND044 LND045 LND046 LND047 LND048 LND049 LND050 LND051
Pin 1 3 4 49 50 51
VC-504
(1/21)
CN1004
PAGE 4-7
of LEVEL 3

FP-515 FLEXIBLE BOARD

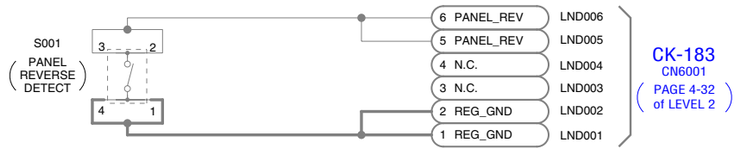
HDD CONNECTION



FP-537 FLEXIBLE BOARD

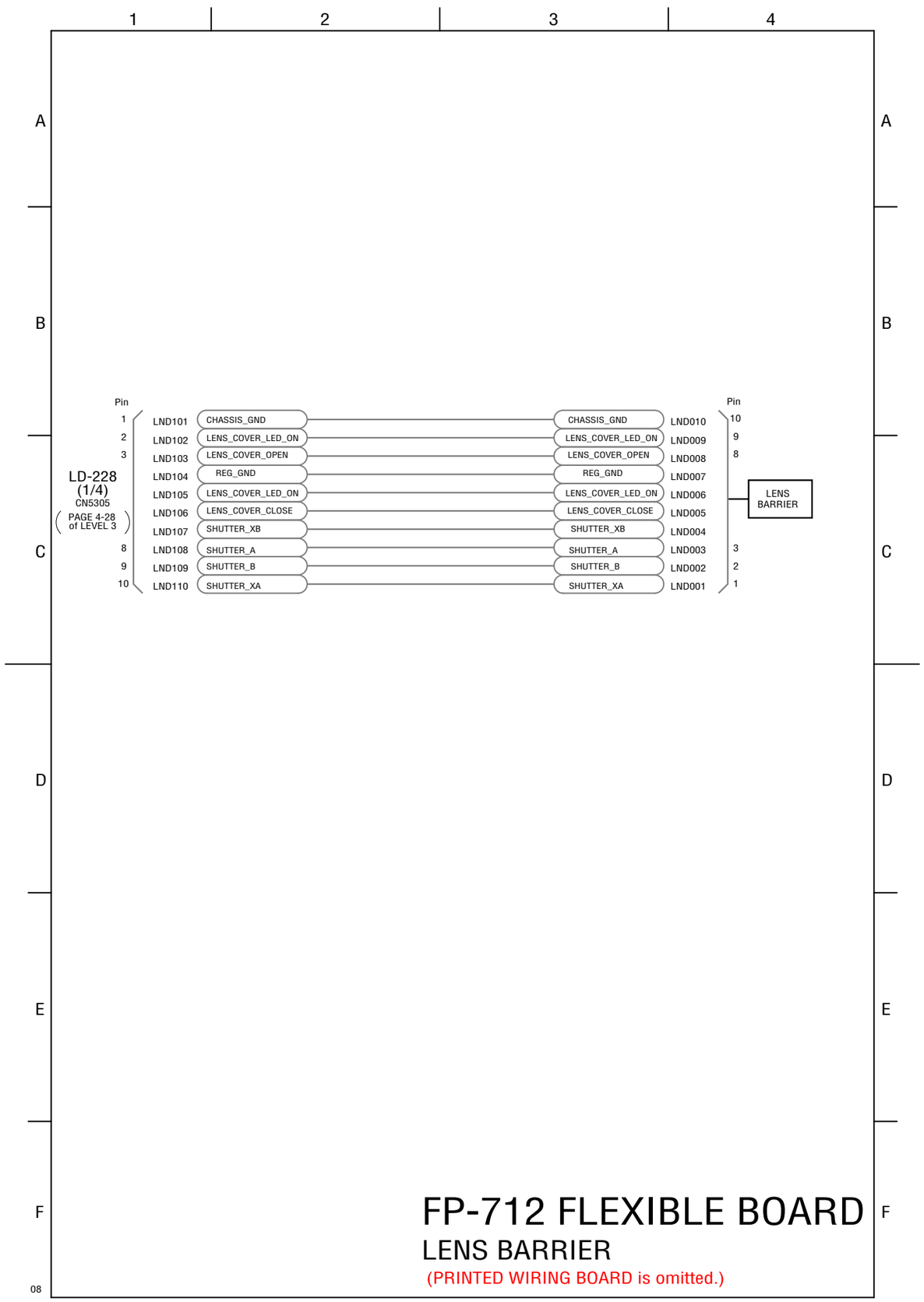
CK-PD CONNECTION

(PRINTED WIRING BOARD is omitted.)



FP-546 FLEXIBLE BOARD

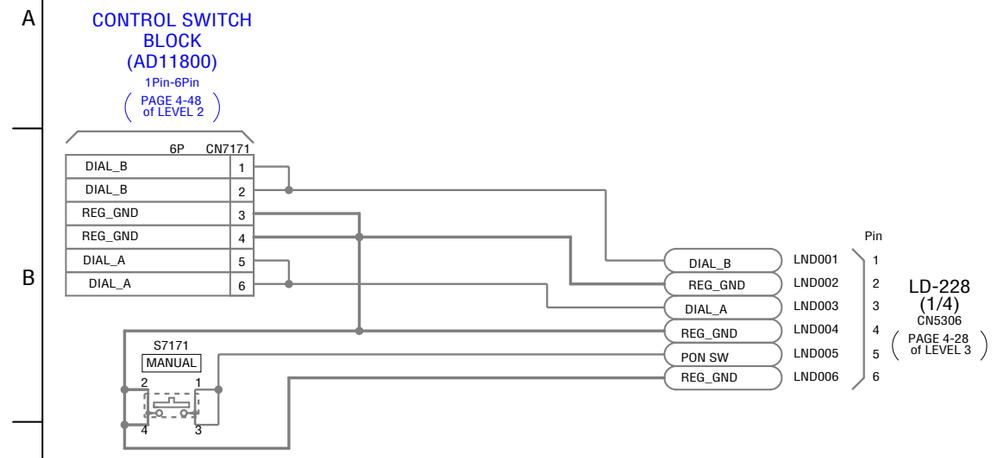
PANEL REVERSE DETECTION SWITCH



FP-712 FLEXIBLE BOARD

LENS BARRIER

(PRINTED WIRING BOARD is omitted.)

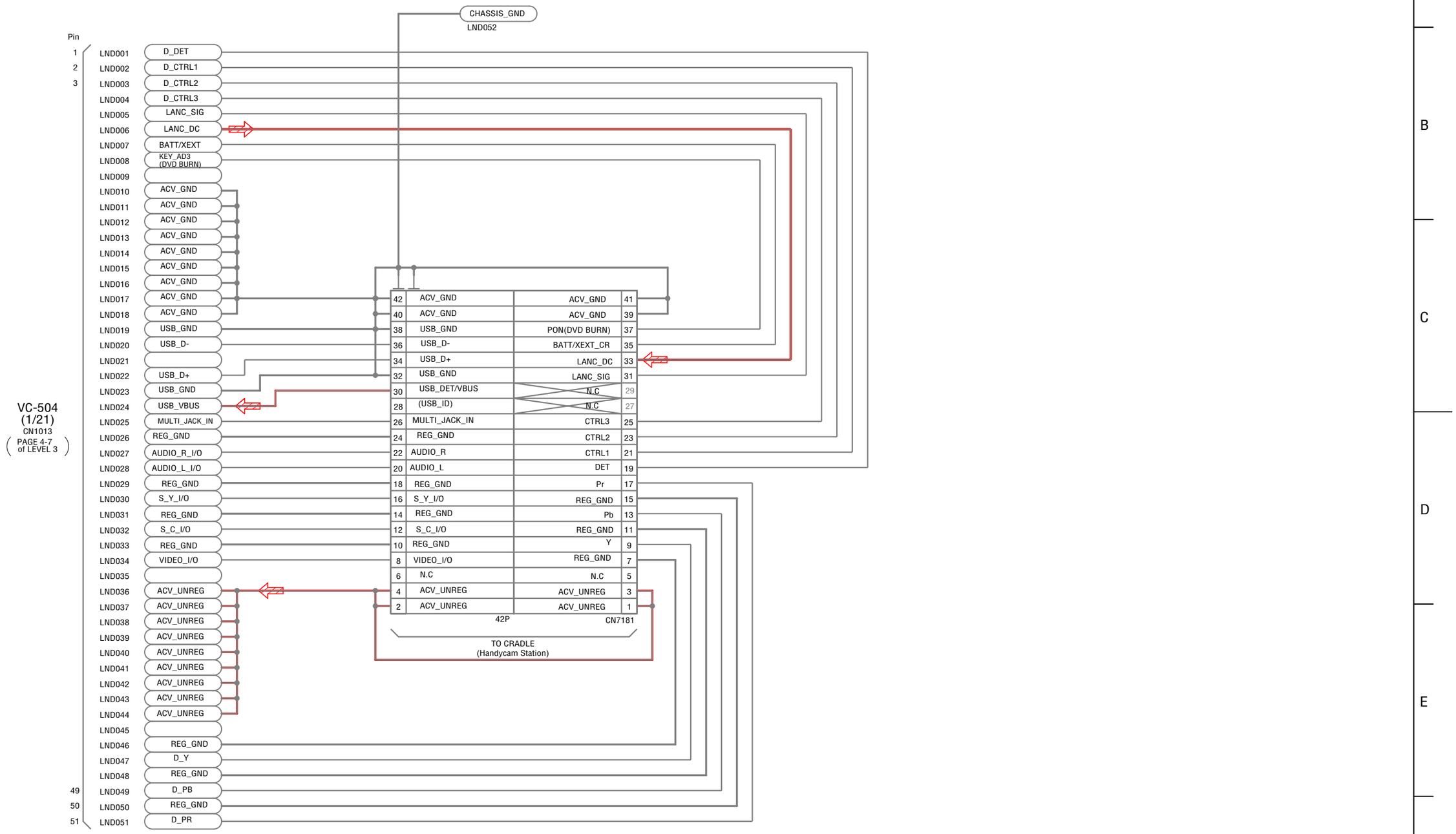


FP-717 FLEXIBLE BOARD

MANUAL CONTROL SWITCH

:SR7/SR7E/SR8/SR8E

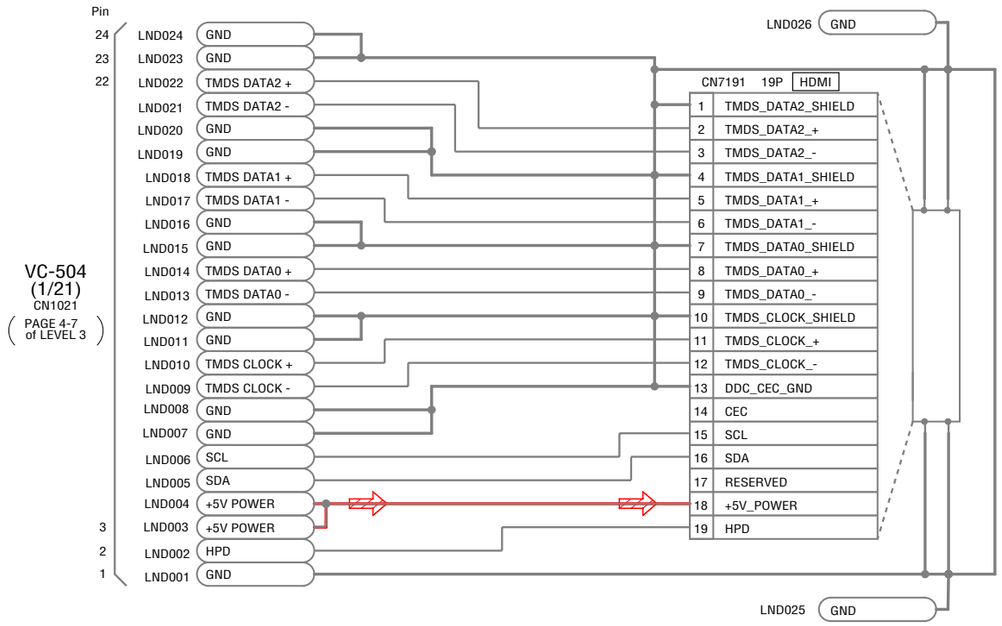
Note : CN7181 is not supplied, but this is included in the FP-718 flexible complete board.



FP-718 FLEXIBLE BOARD
CRADLE TERMINAL

• Refer to page 4-3 (English), 4-4 (Japanese) for mark ⚠.

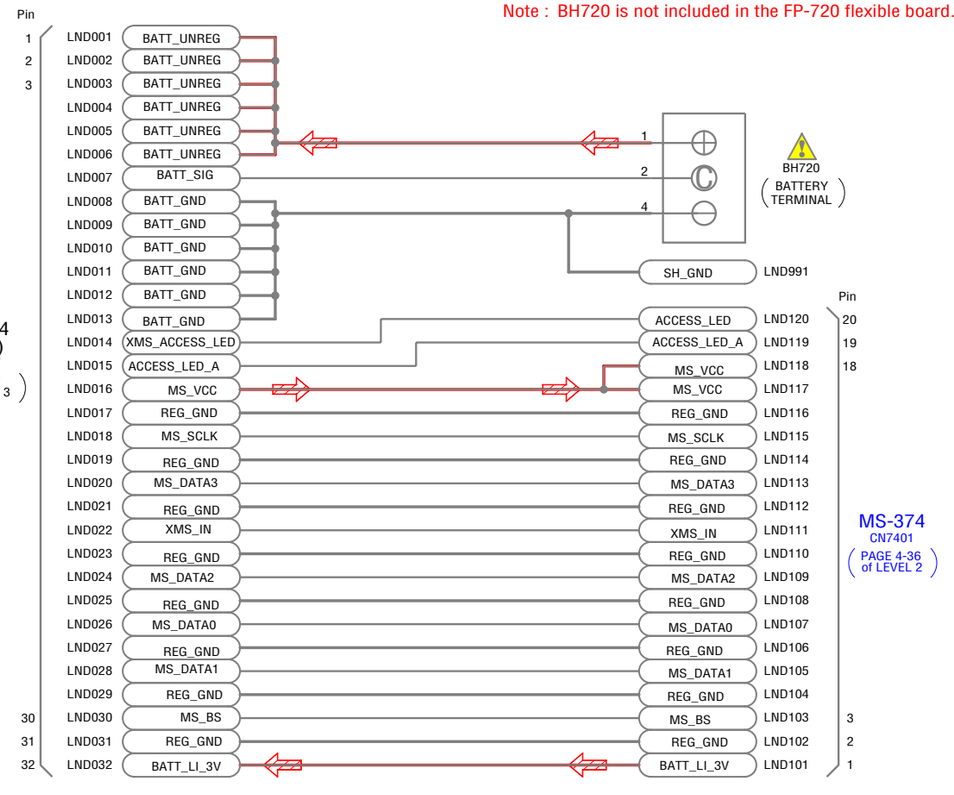
Note : CN7191 is not supplied, but this is included in the FP-719 flexible complete board.



FP-719 FLEXIBLE BOARD

HDMI CONNECTOR

Note : BH720 is not included in the FP-720 flexible board.

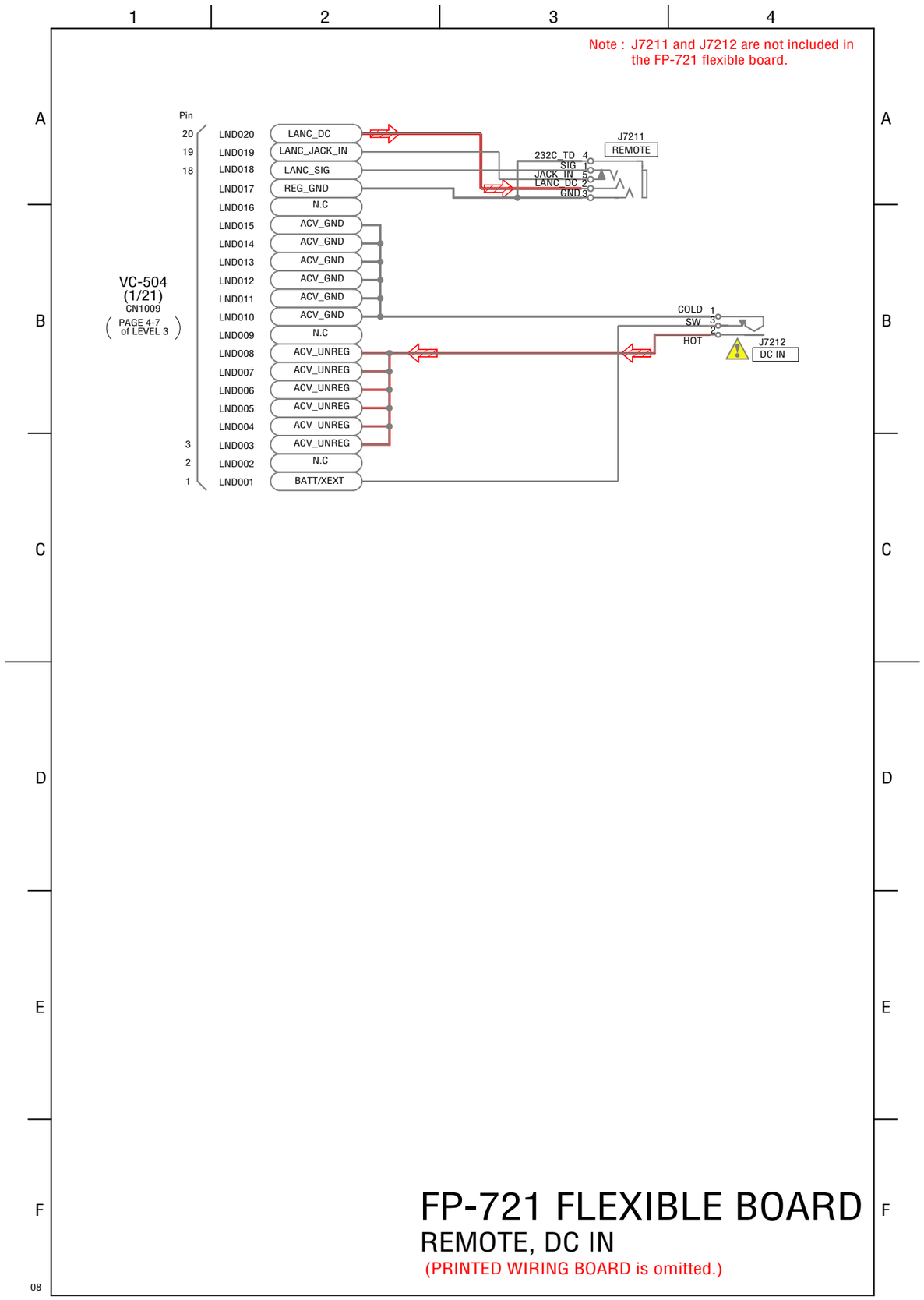


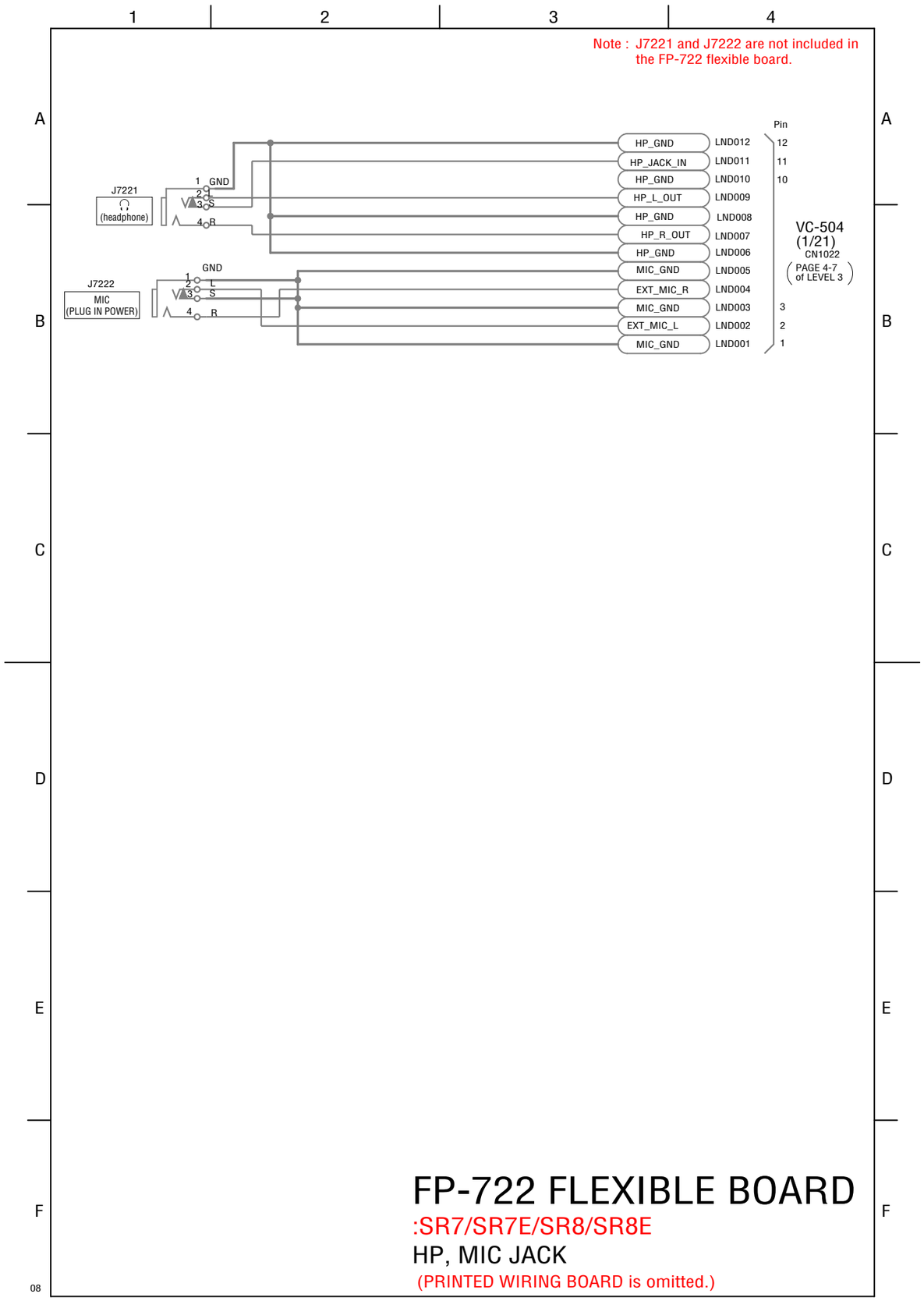
FP-720 FLEXIBLE BOARD

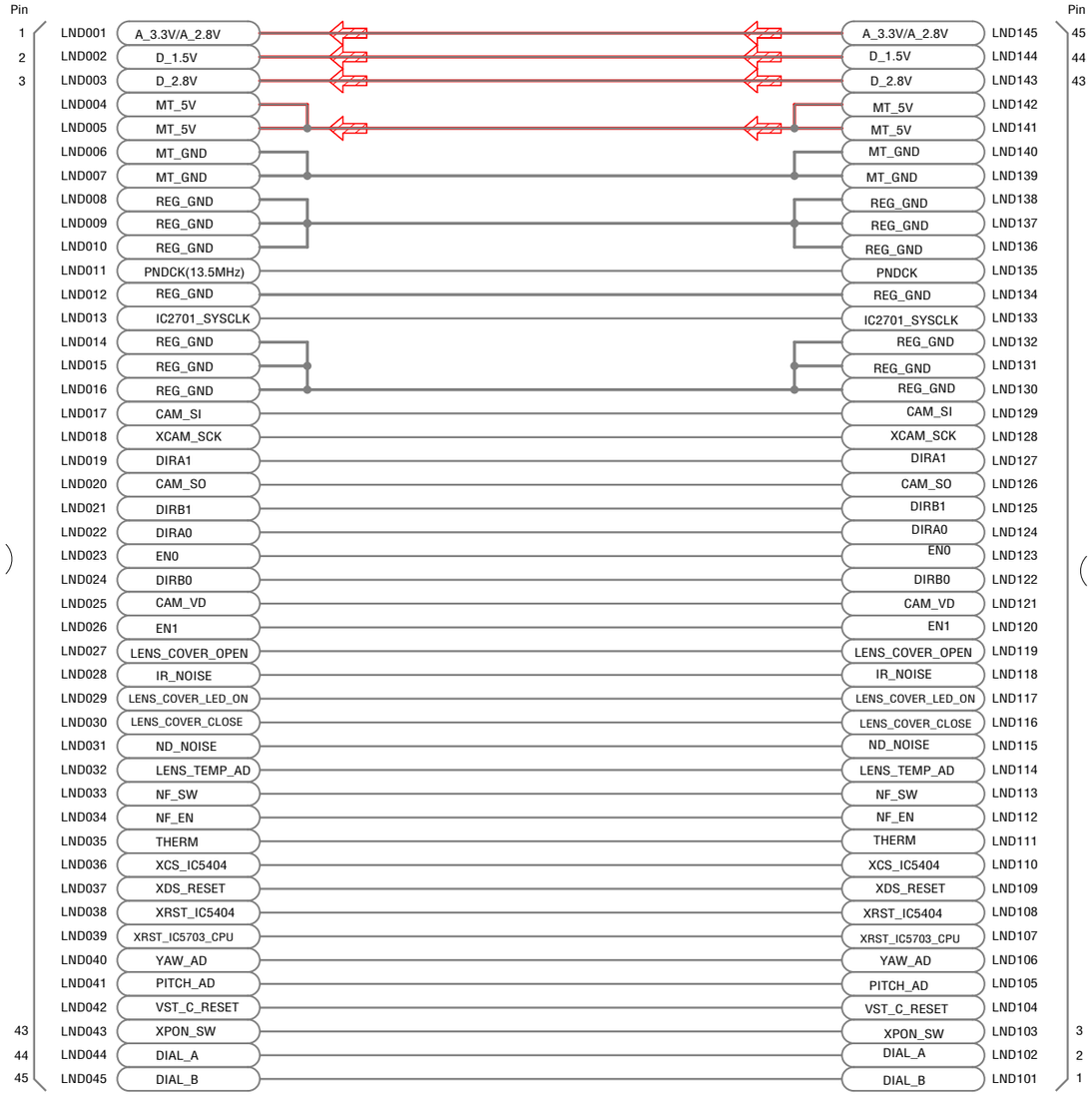
BATTERY TERMINAL

(PRINTED WIRING BOARD is omitted.)

• Refer to page 4-3 (English), 4-4 (Japanese) for mark ⚠.







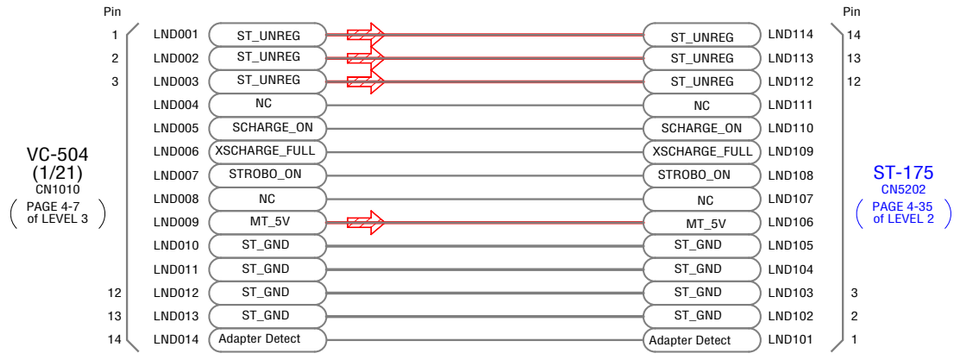
LD-228
(1/4)
CN5303
(PAGE 4-28 of LEVEL 3)

VC-504
(1/21)
CN1012
(PAGE 4-7 of LEVEL 3)

FP-723 FLEXIBLE BOARD

LD-VC CONNECTION

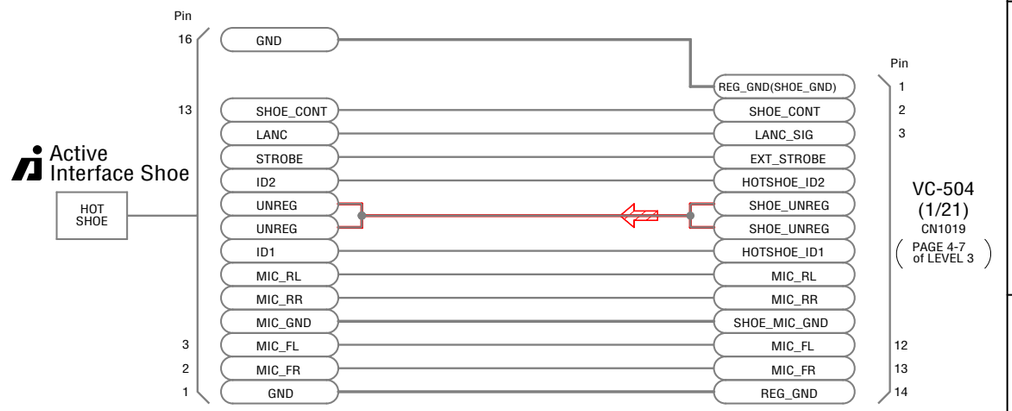
(PRINTED WIRING BOARD is omitted.)



FP-724 FLEXIBLE BOARD

VC-ST CONNECTION

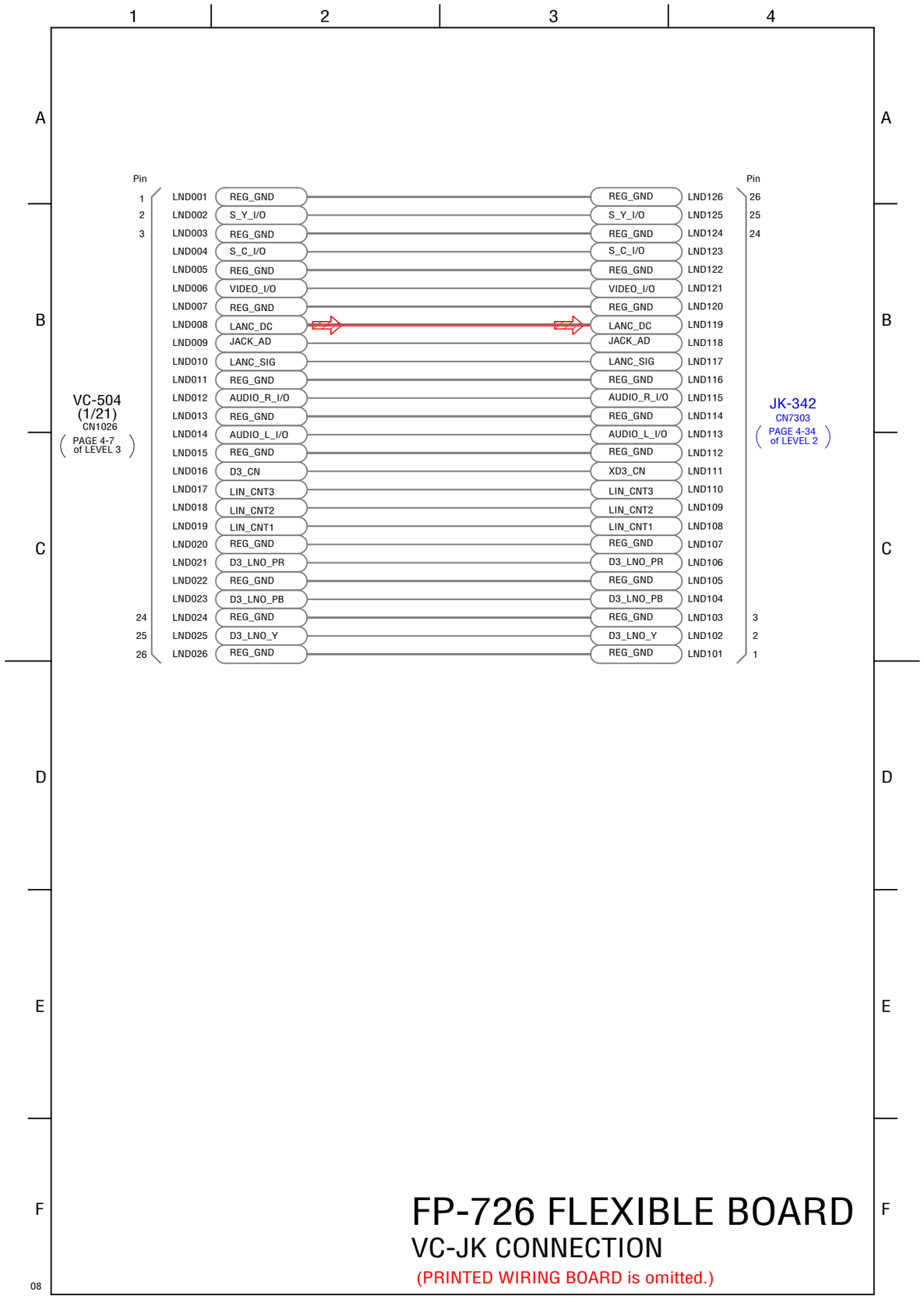
(PRINTED WIRING BOARD is omitted.)



FP-725 FLEXIBLE BOARD

HOT SHOE CONNECTION

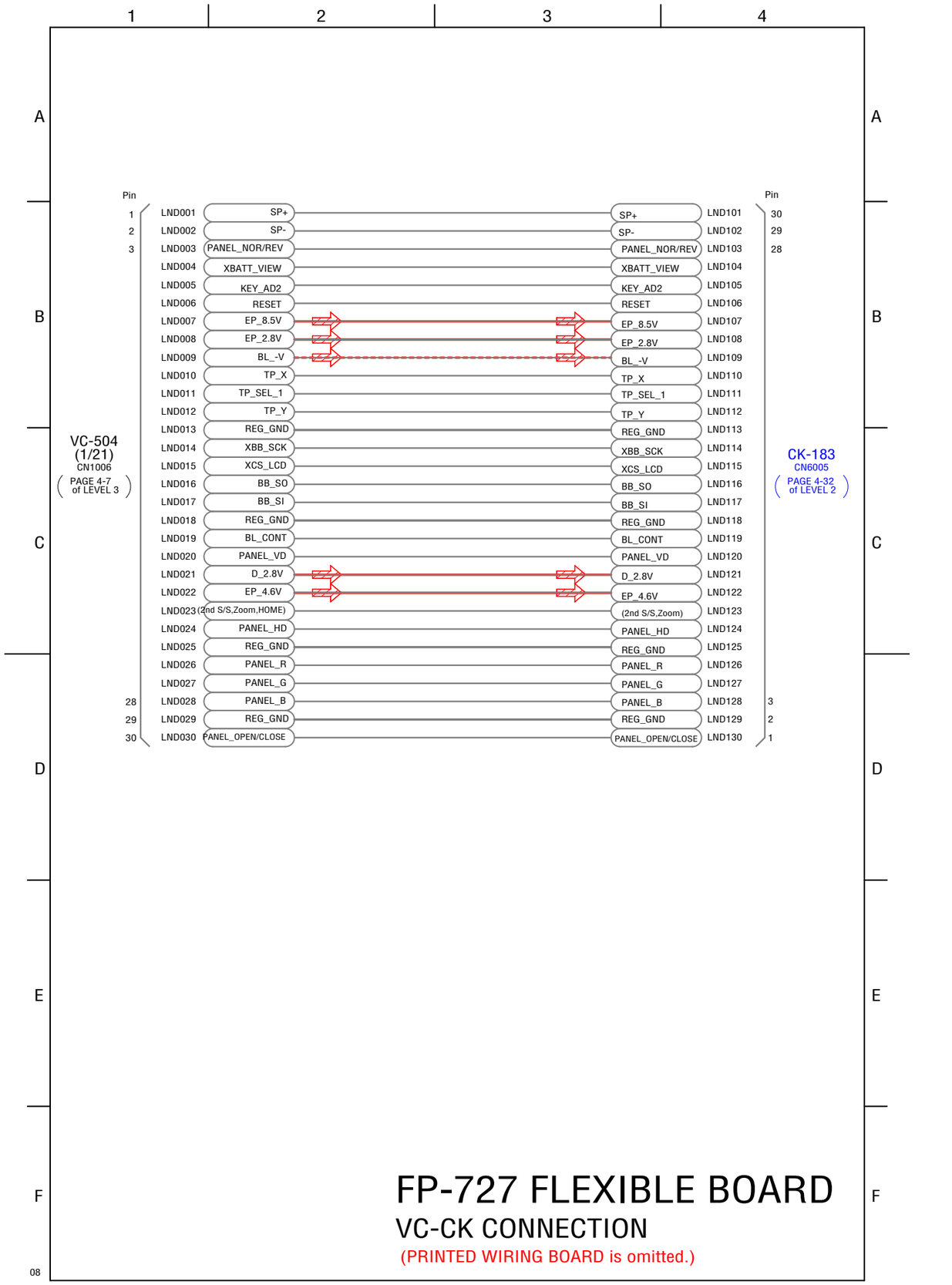
(PRINTED WIRING BOARD is omitted.)



FP-726 FLEXIBLE BOARD

VC-JK CONNECTION

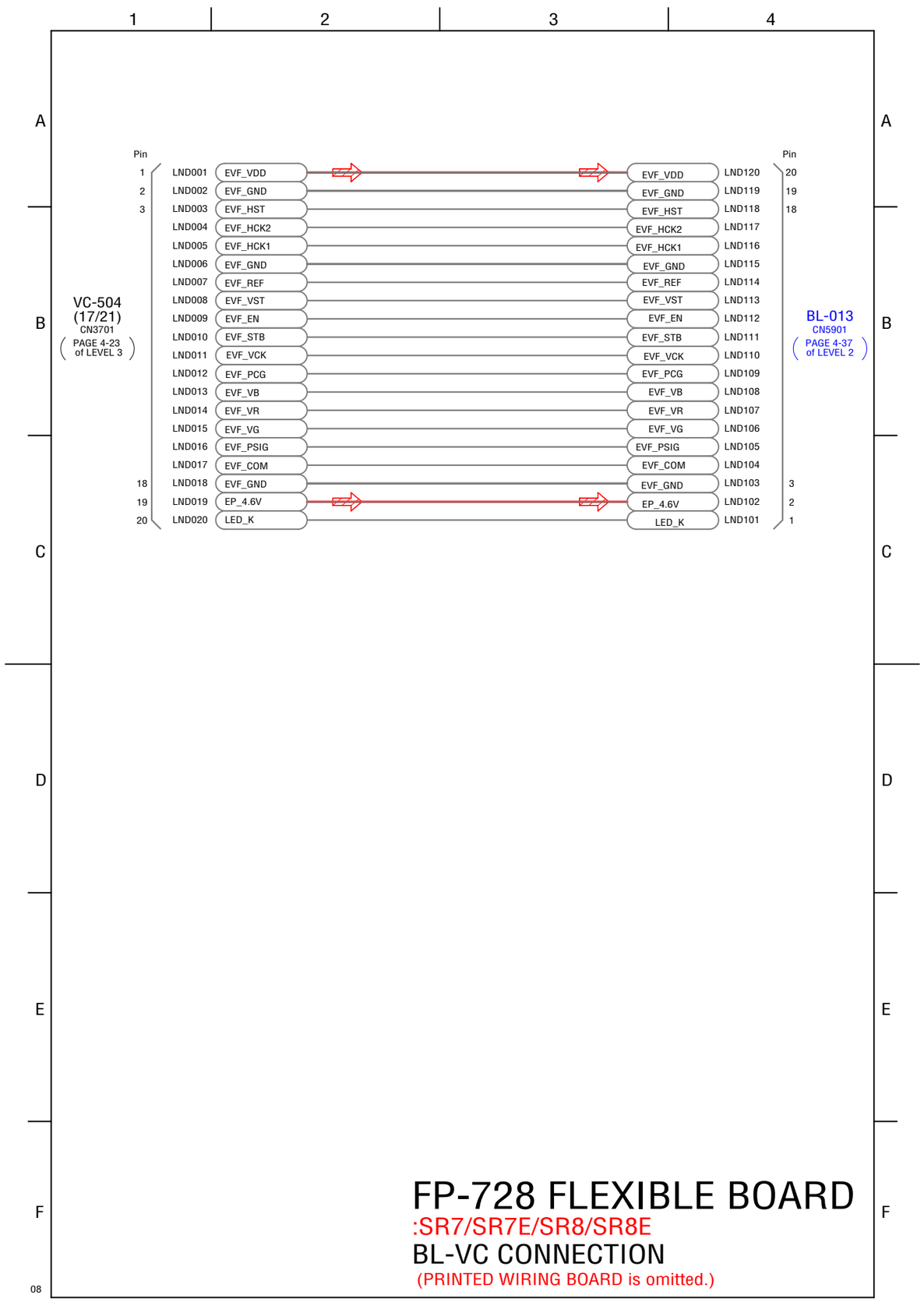
(PRINTED WIRING BOARD is omitted.)



FP-727 FLEXIBLE BOARD

VC-CK CONNECTION

(PRINTED WIRING BOARD is omitted.)

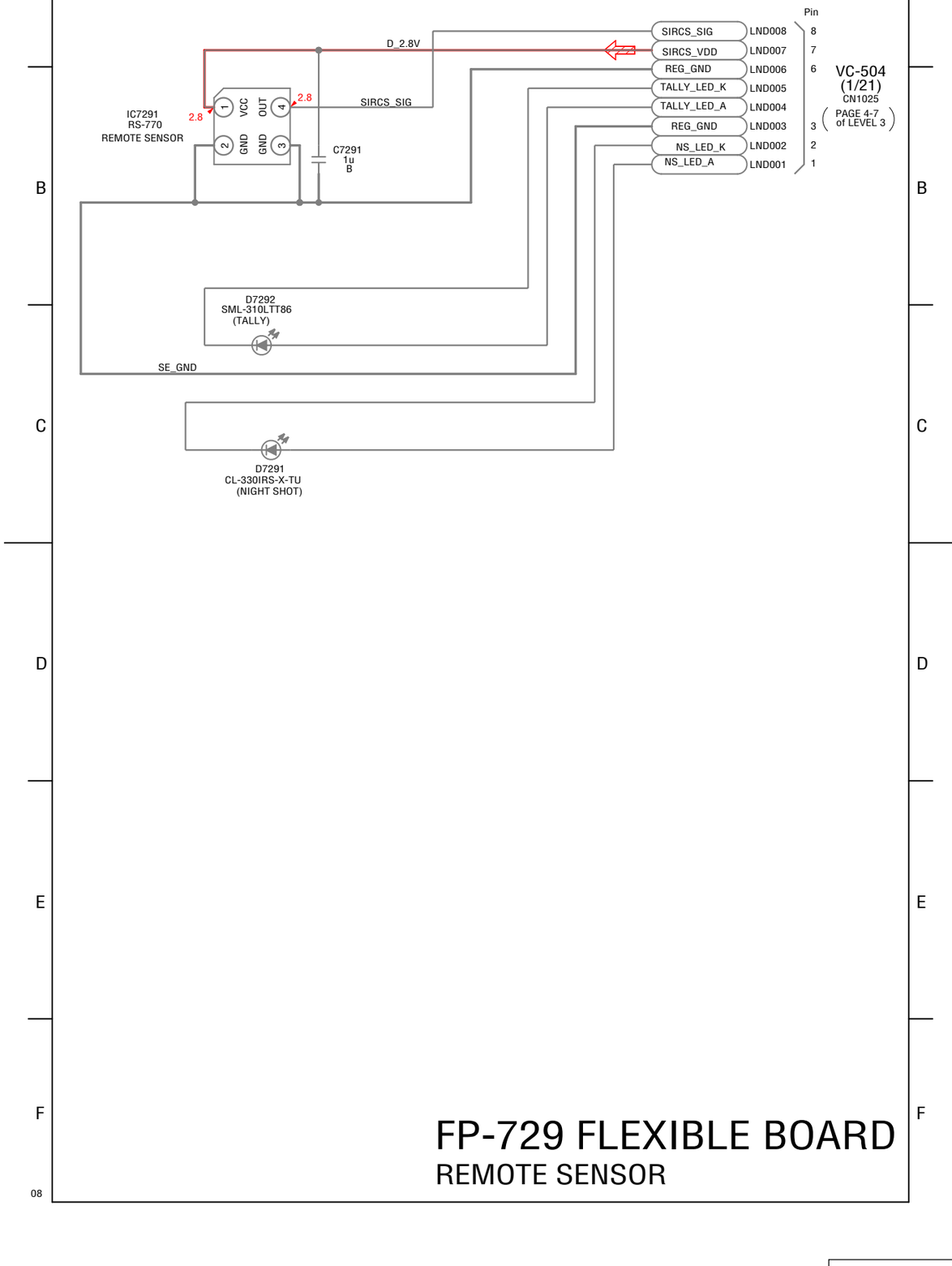


FP-728 FLEXIBLE BOARD

:SR7/SR7E/SR8/SR8E

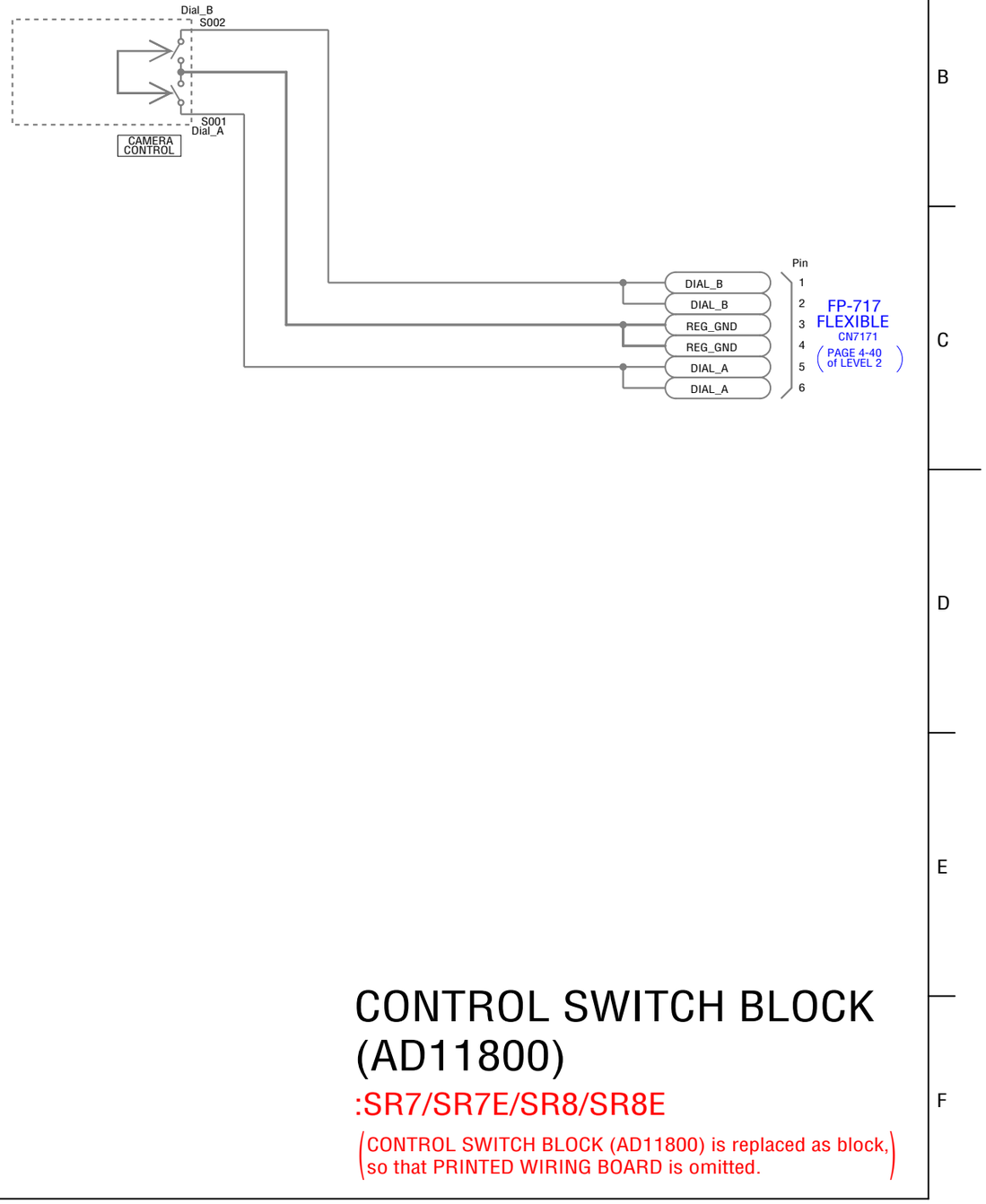
BL-VC CONNECTION

(PRINTED WIRING BOARD is omitted.)



FP-729 FLEXIBLE BOARD

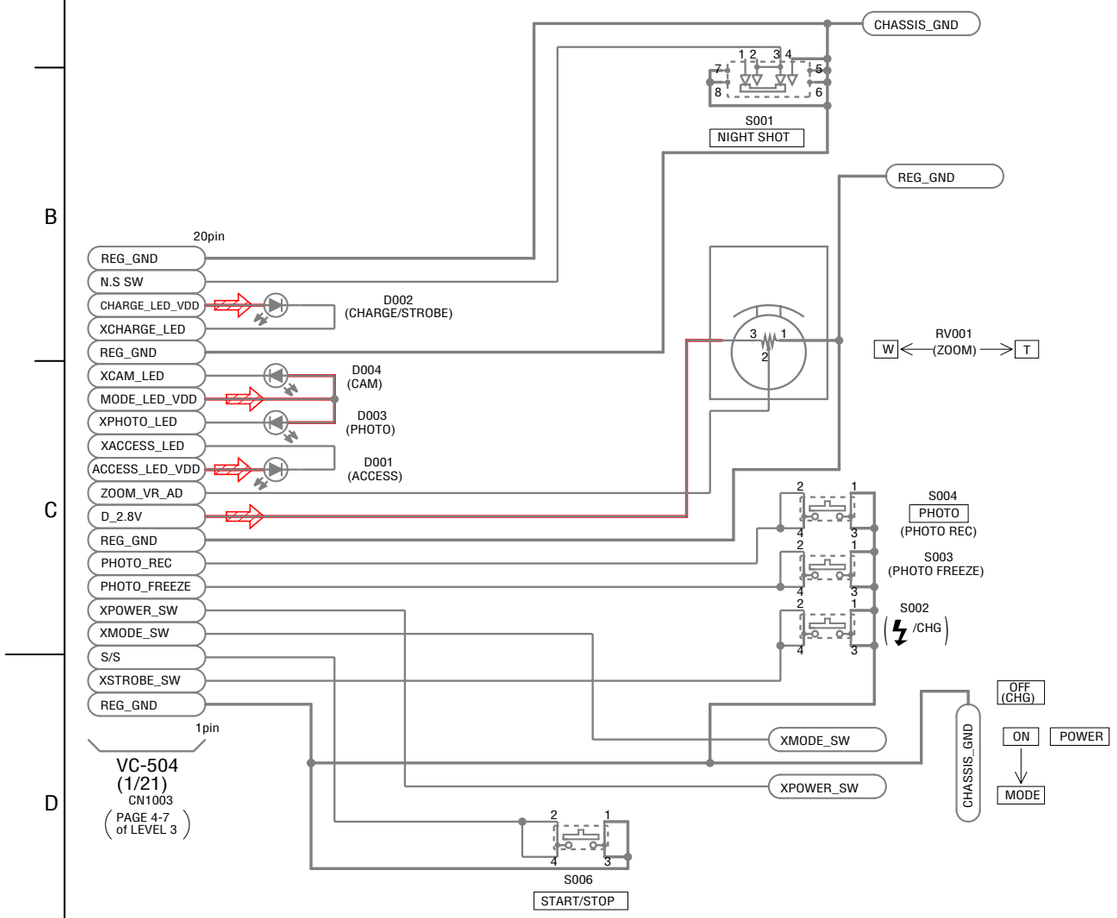
REMOTE SENSOR



CONTROL SWITCH BLOCK (AD11800)

:SR7/SR7E/SR8/SR8E

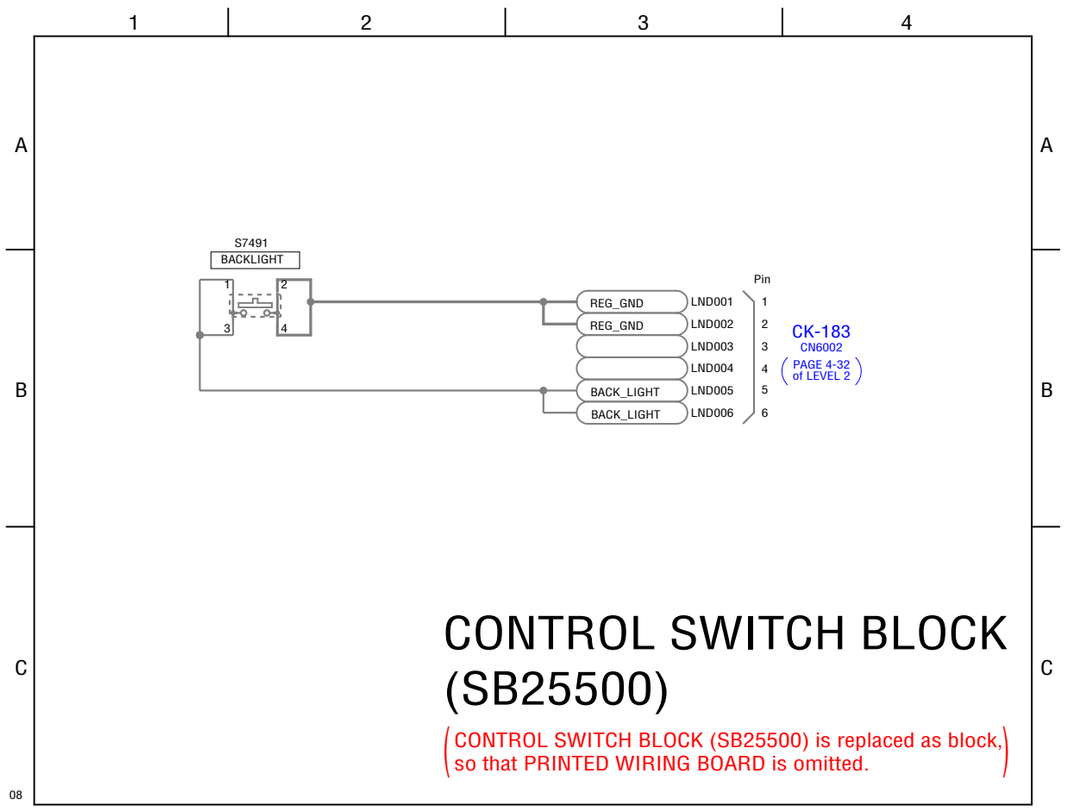
(CONTROL SWITCH BLOCK (AD11800) is replaced as block, so that PRINTED WIRING BOARD is omitted.)

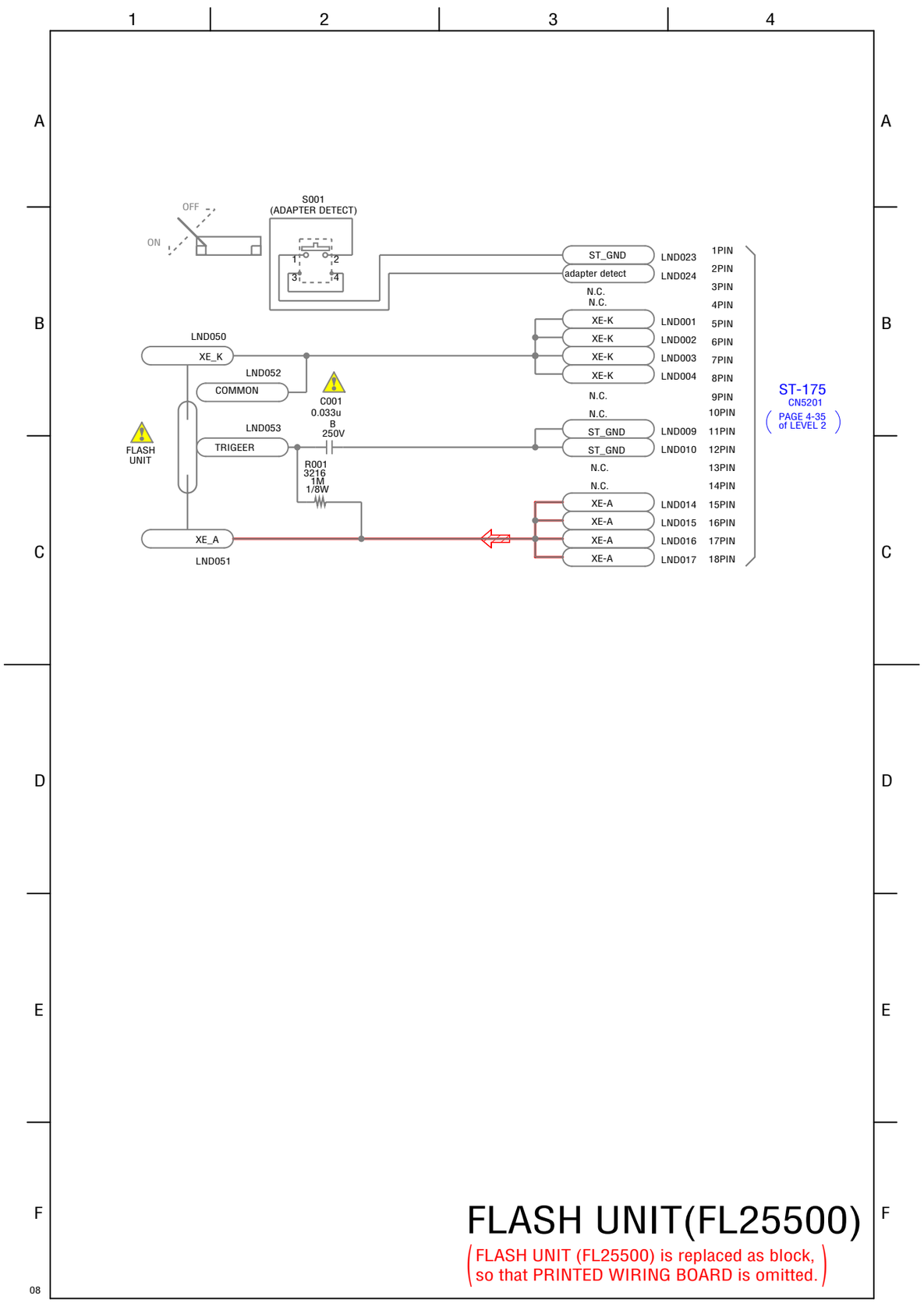


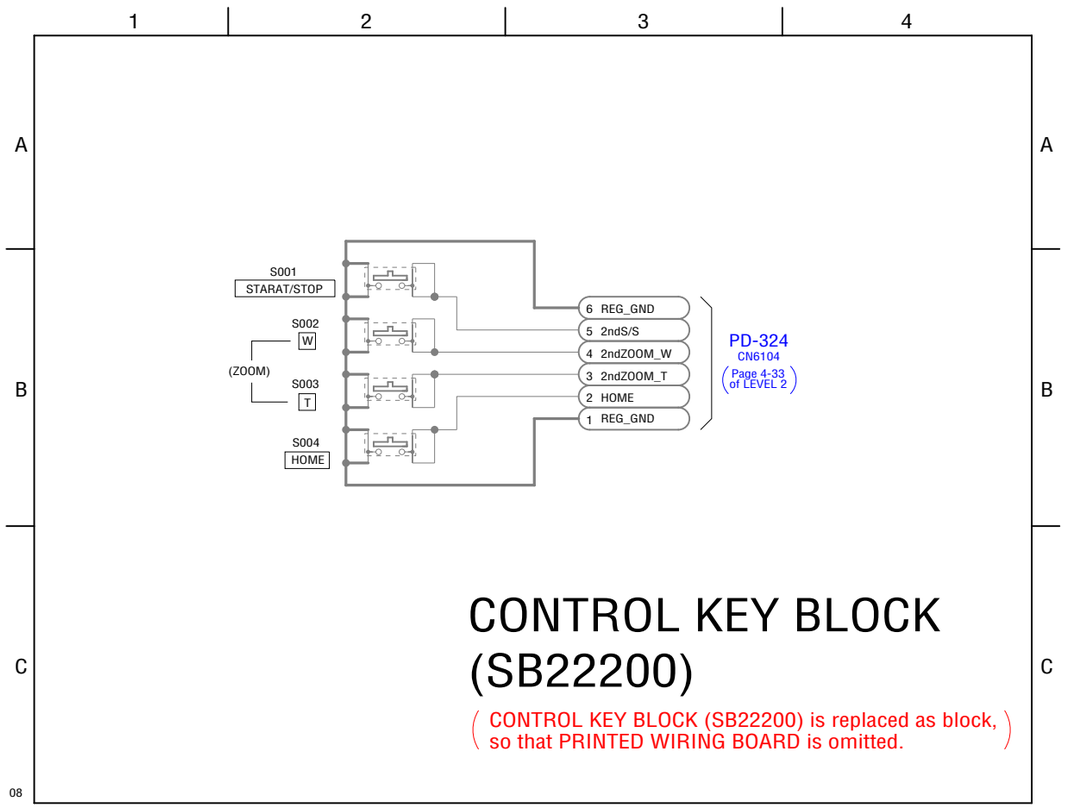
CONTROL SWITCH BLOCK (PS25500)

(CONTROL SWITCH BLOCK (PS25500) is replaced as block, so that PRINTED WIRING BOARD is omitted.)

• Refer to page 4-3 (English), 4-4 (Japanese) for mark ⚠.







Signal location of the VC-504 and LD-228 boards are not shown.
Pages from 4-50 to 4-59 are not shown.

4-3. SIGNAL LOCATION

CK-183 BOARD

BB_SI	(1/1)	C-6
	(1/1)	C-7
BB_SO	(1/1)	C-6
	(1/1)	C-7
BL_CONT	(1/1)	C-6
	(1/1)	C-7
BL_-V	(1/1)	B-6
	(1/1)	B-7
D_2.8V	(1/1)	C-6
	(1/1)	C-7
EP_2.8V	(1/1)	B-6
	(1/1)	B-7
EP_4.6V	(1/1)	C-6
	(1/1)	C-7
EP_8.5V	(1/1)	B-6
	(1/1)	B-7
HI_XRESET	(1/1)	B-4
	(1/1)	B-7
KEY_AD0	(1/1)	C-6
	(1/1)	C-7
KEY_AD2	(1/1)	B-7
	(1/1)	D-4
PANEL_B	(1/1)	D-6
	(1/1)	D-7
PANEL_G	(1/1)	D-6
	(1/1)	D-7
PANEL_HD	(1/1)	C-6
	(1/1)	C-7
PANEL_NOR/REV	(1/1)	B-3
	(1/1)	B-7
PANEL_O/C	(1/1)	A-4
	(1/1)	D-7
PANEL_R	(1/1)	D-6
	(1/1)	D-7
PANEL_VD	(1/1)	C-6
	(1/1)	C-7
SP-	(1/1)	B-7
	(1/1)	C-4
SP+	(1/1)	B-7
	(1/1)	C-4
TP_SEL_1	(1/1)	B-6
	(1/1)	B-7
TP_X	(1/1)	B-6
	(1/1)	B-7
TP_Y	(1/1)	B-6
	(1/1)	B-7
XBATT_VIEW	(1/1)	B-7
	(1/1)	E-4
XBB_SCK	(1/1)	B-6
	(1/1)	C-7
XCS_LCD	(1/1)	C-6
	(1/1)	C-7

PD-324 BOARD

BB_SI	(1/1)	B-3
	(1/1)	C-4
BB_SO	(1/1)	B-3
	(1/1)	C-4
BIN	(1/1)	A-3
	(1/1)	B-5
BL_CONT	(1/1)	B-3
	(1/1)	G-5
BL_L	(1/1)	F-10
	(1/1)	H-7
BL_ON	(1/1)	C-7
	(1/1)	E-5
	(1/1)	G-5
BL_-V	(1/1)	C-3
	(1/1)	E-5
	(1/1)	H-5
D_2.8V	(1/1)	B-3
	(1/1)	F-4
EP_2.8V	(1/1)	A-4
	(1/1)	C-3
	(1/1)	G-5
EP_4.6V	(1/1)	A-3
	(1/1)	A-4
	(1/1)	E-5
EP_8.5V	(1/1)	A-4
	(1/1)	C-3
	(1/1)	F-5
EXTDA	(1/1)	B-5
	(1/1)	F-5
	(1/1)	G-5
GIN	(1/1)	A-3
	(1/1)	B-5
KEY_AD	(1/1)	A-3
	(1/1)	D-4
LED_1A	(1/1)	D-10
	(1/1)	F-9
LED_2A	(1/1)	E-10
	(1/1)	F-8
LED_3A	(1/1)	E-10
	(1/1)	F-9
PANEL_COM	(1/1)	B-7
	(1/1)	B-10
	(1/1)	C-10
PANEL_DWN	(1/1)	B-10
	(1/1)	D-7
PANEL_EN	(1/1)	B-10
	(1/1)	D-7
PANEL_HCK1	(1/1)	C-10
	(1/1)	D-7
PANEL_HCK2	(1/1)	C-10
	(1/1)	D-7
PANEL_HST	(1/1)	C-10
	(1/1)	D-7
PANEL_PCG	(1/1)	B-10
	(1/1)	D-7
PANEL_REF	(1/1)	B-7
	(1/1)	C-10
PANEL_RGT	(1/1)	C-10
	(1/1)	E-7
PANEL_VB	(1/1)	C-8
	(1/1)	C-10
PANEL_VCK	(1/1)	B-10
	(1/1)	C-7
PANEL_VG	(1/1)	C-8
	(1/1)	C-10
PANEL_VP	(1/1)	C-7
	(1/1)	C-10
PANEL_VR	(1/1)	C-8
	(1/1)	C-10
PANEL_VST	(1/1)	B-10
	(1/1)	C-7
PANEL_XHD	(1/1)	A-3
	(1/1)	C-5
PANEL_XSTBY	(1/1)	B-8
	(1/1)	B-10
	(1/1)	D-7
PANEL_XVD	(1/1)	B-3
	(1/1)	D-5
RIN	(1/1)	A-3
	(1/1)	B-5
TP_SEL1	(1/1)	B-3
	(1/1)	F-4
TP_X	(1/1)	C-3
	(1/1)	E-4
TP_Y	(1/1)	B-3
	(1/1)	F-4
XBB_SCK	(1/1)	B-3
	(1/1)	C-4
XCS_LCD	(1/1)	B-3
	(1/1)	C-4

JK-342 BOARD

AUDIO_L_I/O	(1/1)	C-7
	(1/1)	D-5
AUDIO_R_I/O	(1/1)	C-7
	(1/1)	D-5
D3_LNO_PB	(1/1)	B-5
	(1/1)	B-7
D3_LNO_PR	(1/1)	A-5
	(1/1)	B-7
D3_LNO_Y	(1/1)	B-5
	(1/1)	B-7
LANC_DC	(1/1)	C-7
	(1/1)	D-5
LANC_SIG	(1/1)	C-7
	(1/1)	D-5
LINE_CNT1	(1/1)	A-5
	(1/1)	B-7
LINE_CNT2	(1/1)	A-5
	(1/1)	B-7
LINE_CNT3	(1/1)	A-5
	(1/1)	B-7
MULTI_JACK_AD	(1/1)	C-7
	(1/1)	D-5
S_C_I/O	(1/1)	C-5
	(1/1)	D-7
S_Y_I/O	(1/1)	C-5
	(1/1)	D-7
VIDEO_I/O	(1/1)	C-5
	(1/1)	C-7
XD3_CN	(1/1)	A-5
	(1/1)	C-7

4-4. PRINTED WIRING BOARDS

Link

CK-183 BOARD	FP-515 FLEXIBLE BOARD
PD-324 BOARD	FP-546 FLEXIBLE BOARD
JK-342 BOARD	FP-717 FLEXIBLE BOARD : SR7/SR7E/SR8/SR8E
ST-175 BOARD	FP-718 FLEXIBLE BOARD
MS-374 BOARD	FP-719 FLEXIBLE BOARD
BL-013 BOARD : SR7/SR7E/SR8/SR8E	FP-729 FLEXIBLE BOARD

COMMON NOTE FOR PRINTED WIRING BOARDS

4-4. PRINTED WIRING BOARDS

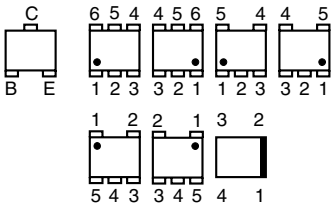
(ENGLISH)

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS

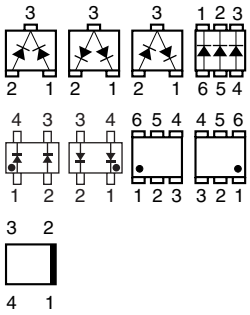
- : Uses unleaded solder.
- : Circuit board
  : Flexible board
  Pattern from the side which enables seeing.
  : pattern of the rear side
  (The other layers' patterns are not indicated)
- Through hole is omitted.
- There are a few cases that the part printed on diagram isn't mounted in this model.
- : panel designation

- Chip parts.

Transistor



Diode



(JAPANESE)

プリント図共通ノート

【プリント図ノート】

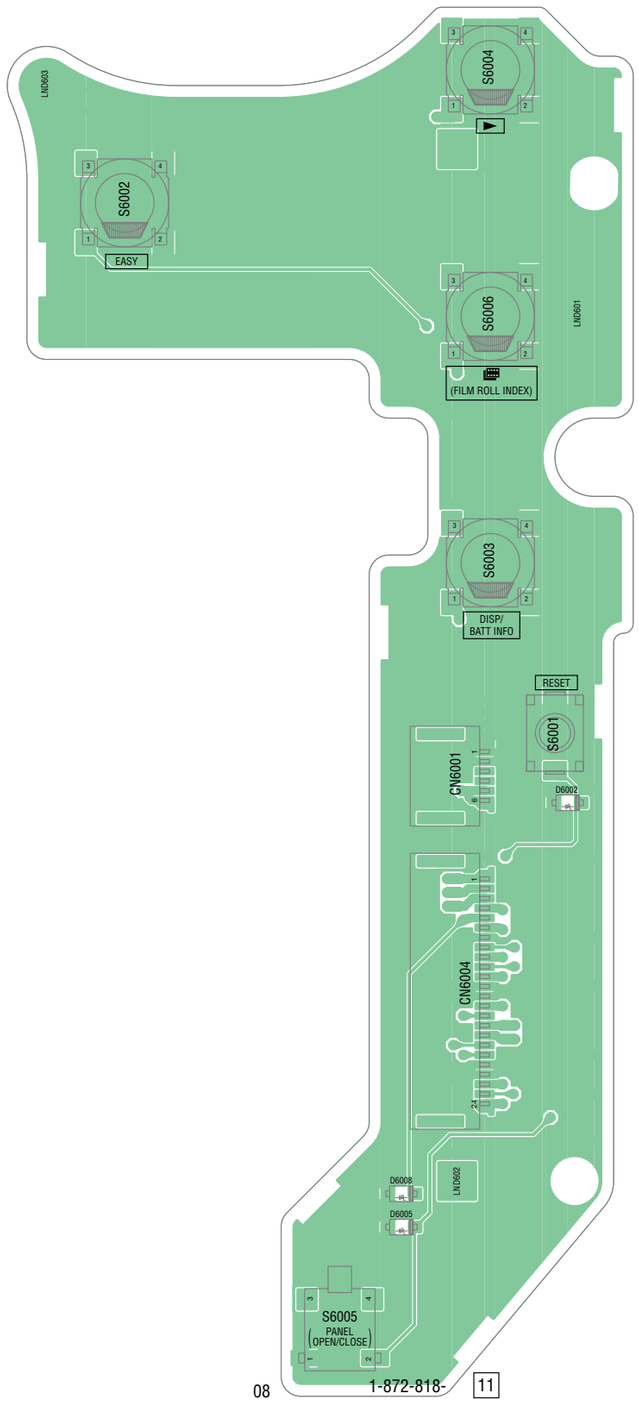
- ：無鉛半田を使用しています。
- ：基板
  ：フレキシブル配線板
  見ている面側のパターン。
  ：裏側のパターン
  （他のパターンについては表示されていません）
- スルーホールは省略。
- プリント図には，本機で使用していない部品が記載されている場合があります。
- はパネル表示名称。

Printed wiring boards of the CM-076, CM-077, VC-504 and LD-228 board are not shown.
Pages from 4-63 to 4-67 are not shown.

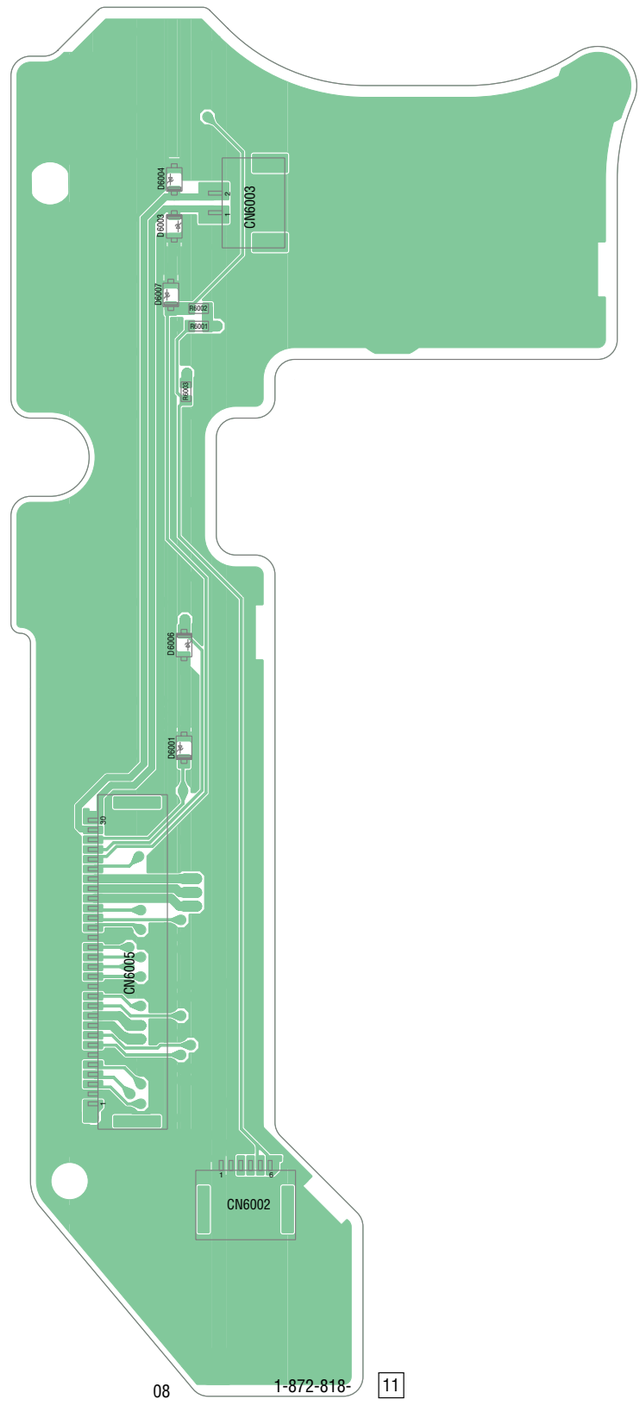
CK-183 (2 layers)

: Uses unleaded solder.

CK-183 BOARD (SIDE A)



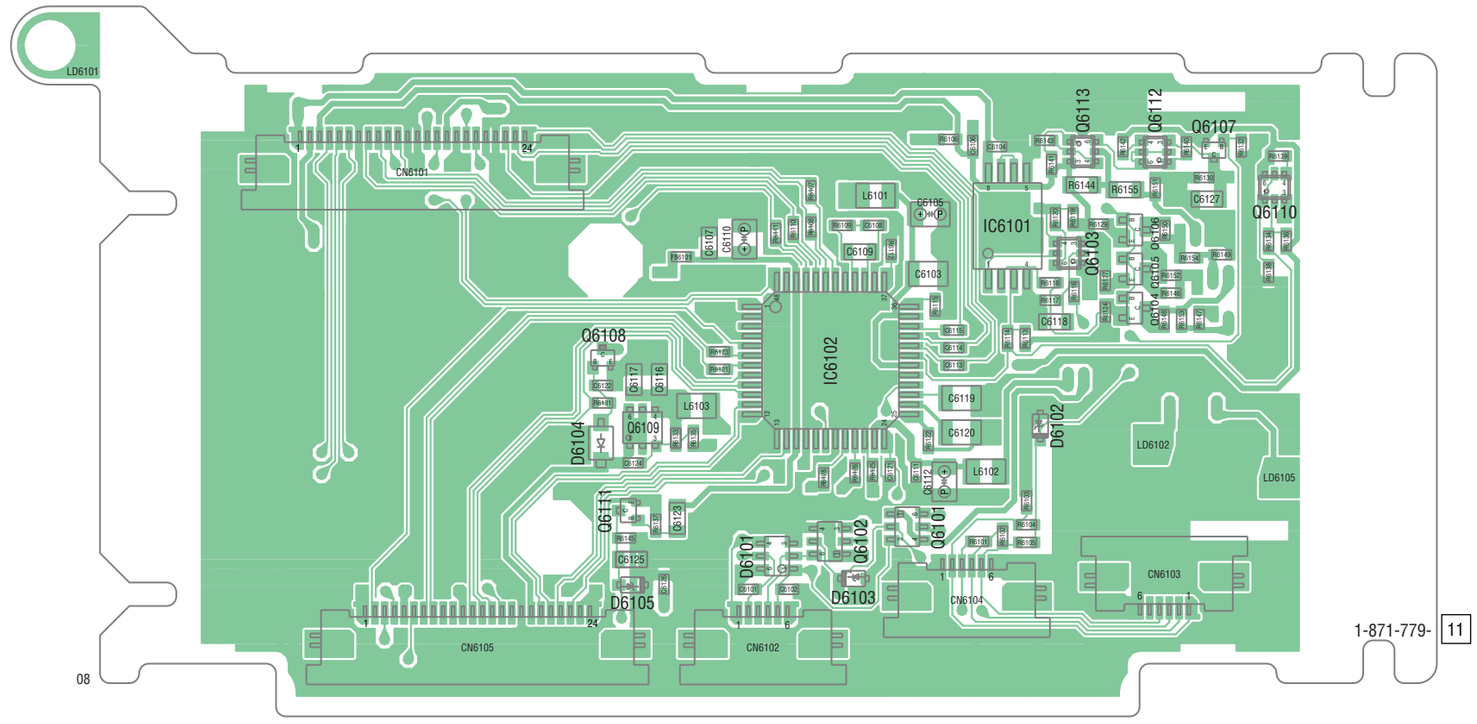
CK-183 BOARD (SIDE B)



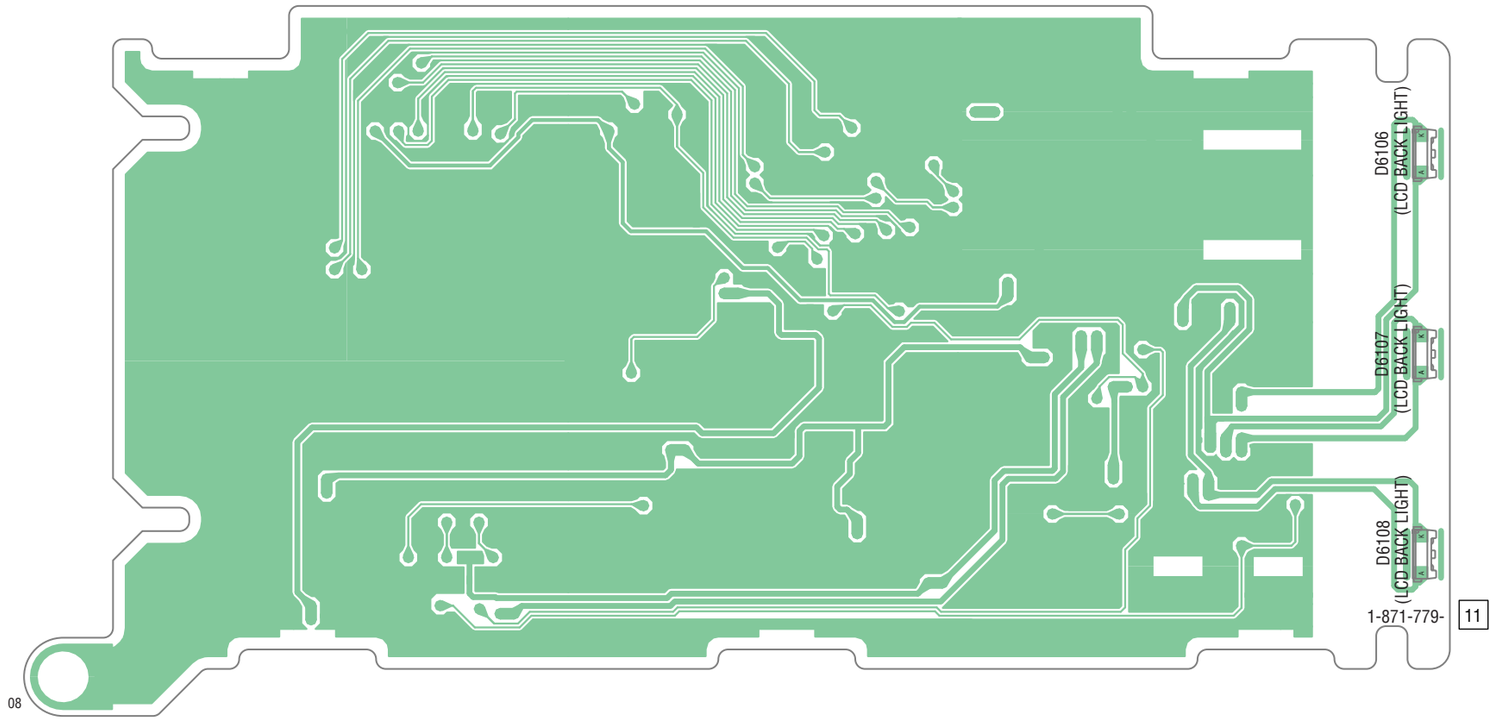
PD-324 (2 layers)

: Uses unleaded solder.

PD-324 BOARD (SIDE A)



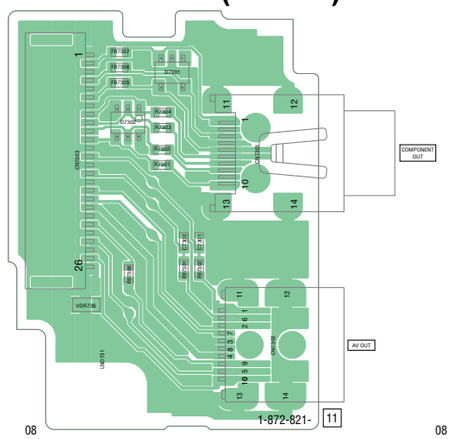
PD-324 BOARD (SIDE B)



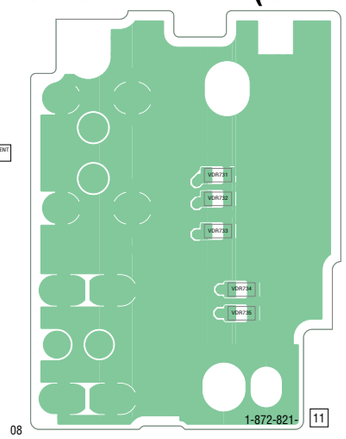
JK-342 (2 layers), ST-175 (2 layers), MS-374 (2 layers)

: Uses unleaded solder.

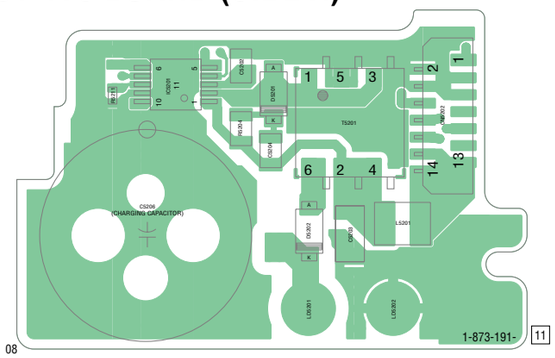
JK-342 BOARD (SIDE A)



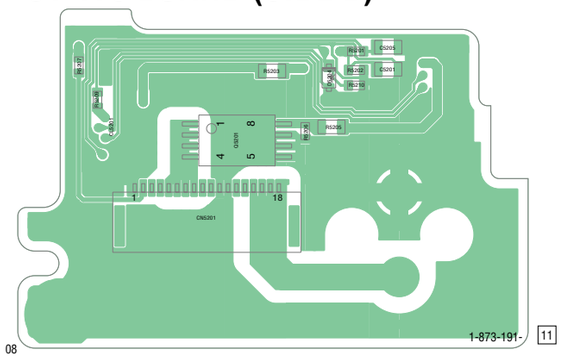
JK-342 BOARD (SIDE B)



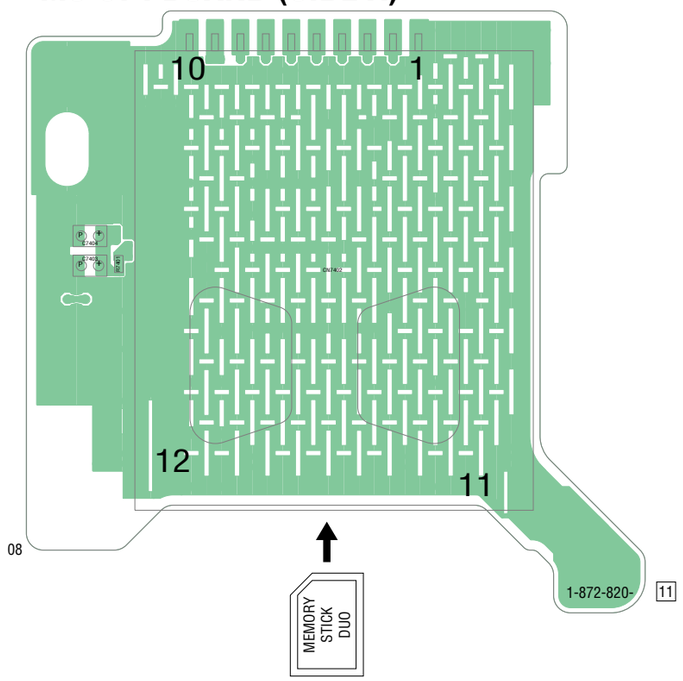
ST-175 BOARD (SIDE A)



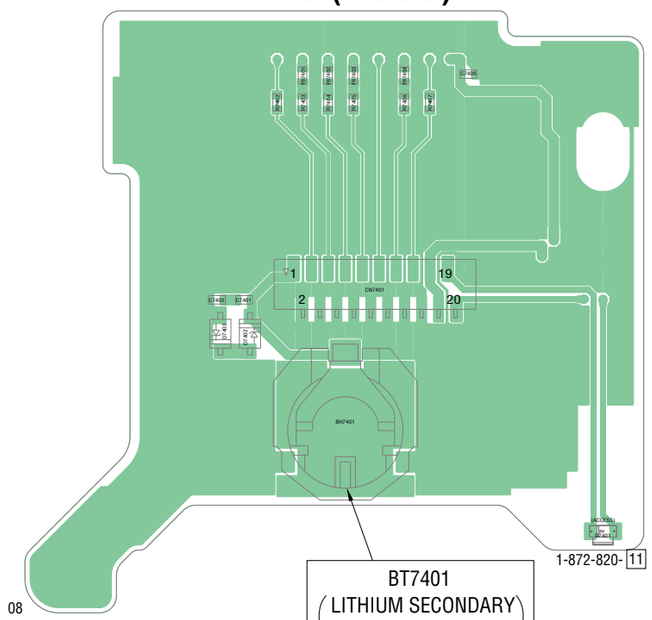
ST-175 BOARD (SIDE B)



MS-374 BOARD (SIDE A)



MS-374 BOARD (SIDE B)



Note: BT7401 (lithium secondary battery) is not included in the MS-374 complete board.

Note: Replace the battery holder (BH7401) together when replacing the lithium battery (BT7401) on MS-374 board.
(The battery holder removed once cannot be used again.)
When mounting these parts, mount new battery holder first and attach new lithium battery next.

Note: MS-374基板のリチウム電池(BT7401)を交換する場合はバッテリホルダ(BH7401)も同時に新品に交換して下さい。
(一度使用したバッテリホルダは再使用できません。)
部品取り付けの際は、先にバッテリホルダを取り付けてからリチウム電池を装着してください。

CAUTION
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type.

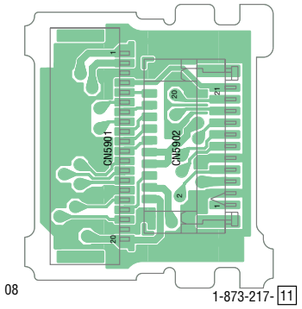
注意
電池の交換は，正しく行わないと破裂する恐れがあります。電池を交換する場合には必ず同じ型名の電池又は同等品と交換してください。

BL-013 (2 layers), FP-515 (2 layers), FP-546 (1 layer)

: Uses unleaded solder.

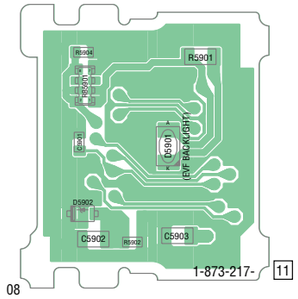
BL-013 BOARD (SIDE A)

: SR7/SR7E/SR8/SR8E

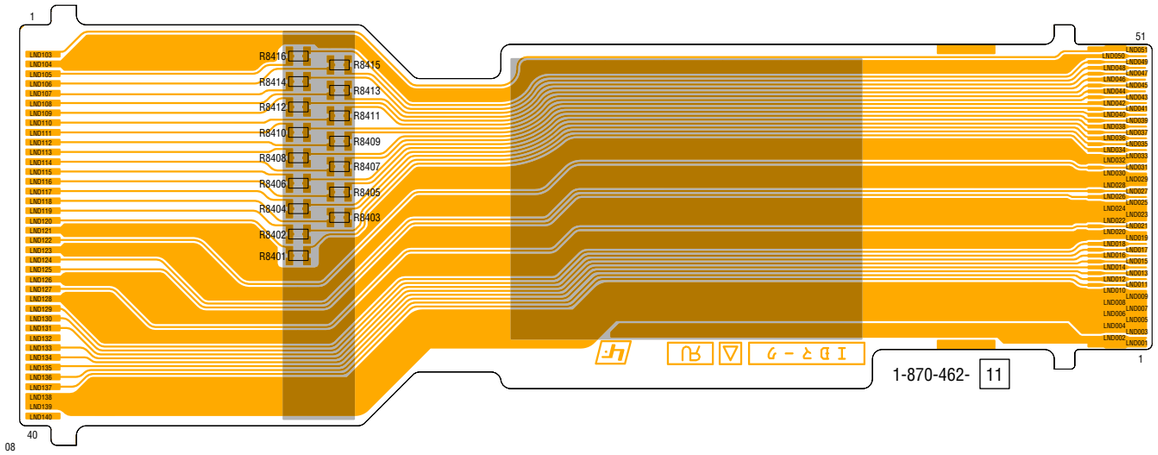


BL-013 BOARD (SIDE B)

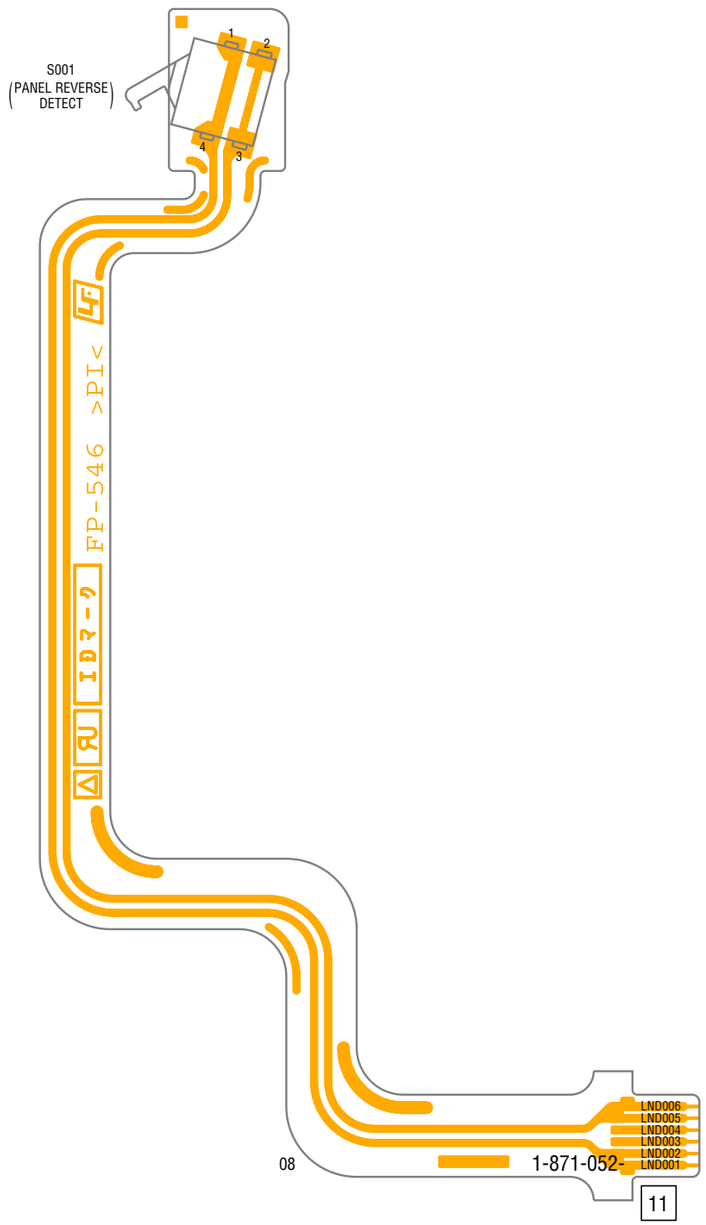
: SR7/SR7E/SR8/SR8E



FP-515 FLEXIBLE BOARD



FP-546 FLEXIBLE BOARD

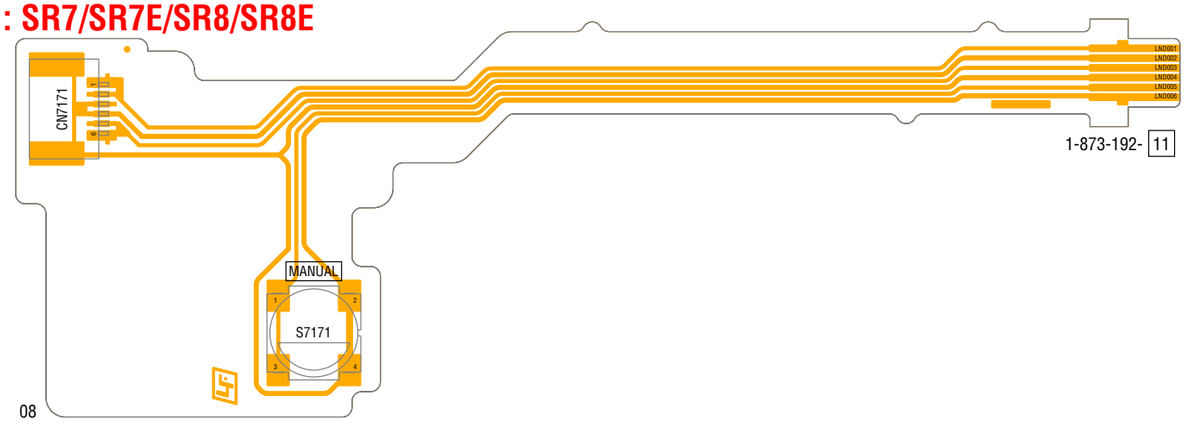


FP-717 (1 layer), FP-718 (2 layers), FP-719 (2 layers), FP-729 (1 layer),

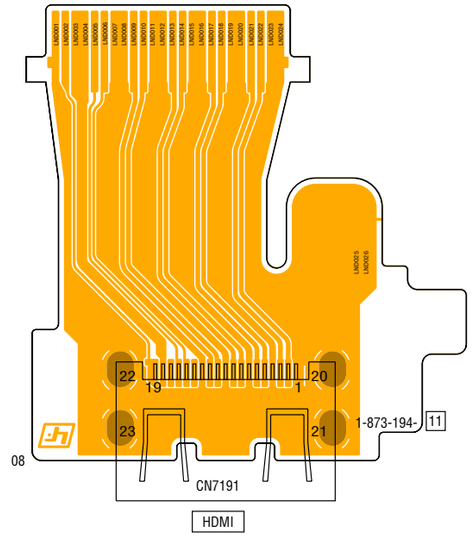
: Uses unleaded solder.

FP-717 FLEXIBLE BOARD

: SR7/SR7E/SR8/SR8E

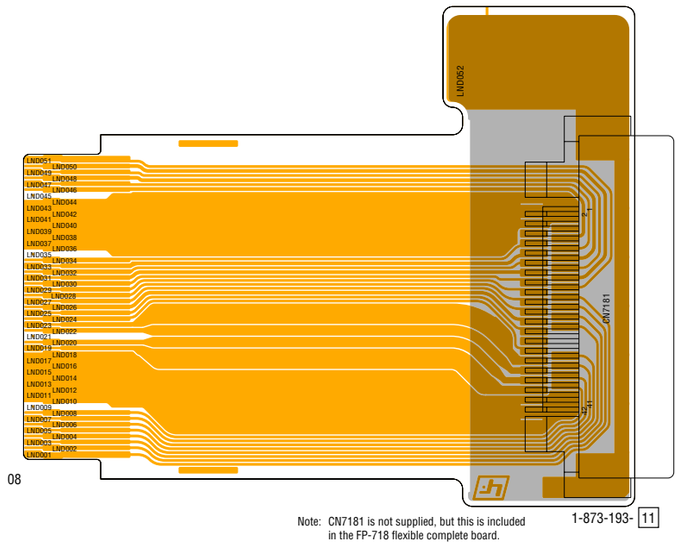


FP-719 FLEXIBLE BOARD



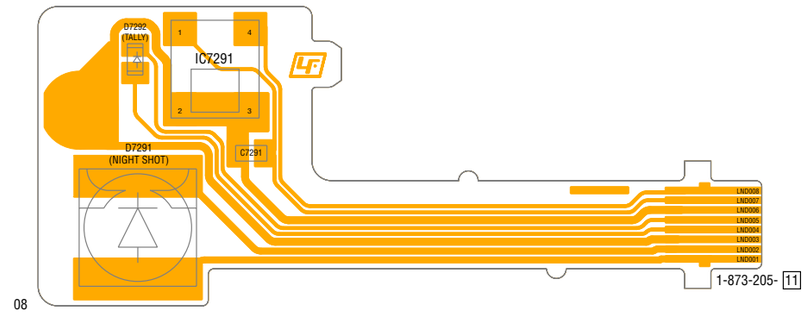
Note: CN7191 is not supplied, but this is included in the FP-719 flexible complete board.

FP-718 FLEXIBLE BOARD



Note: CN7181 is not supplied, but this is included in the FP-718 flexible complete board.

FP-729 FLEXIBLE BOARD

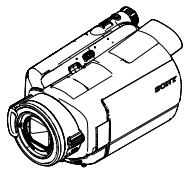


NOTE

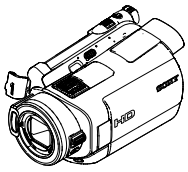
5. REPAIR PARTS LIST

NOTE: Characters A to Z of the electrical parts list indicate location of exploded views in which the desired part is shown.

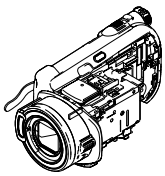
Link EXPLODED VIEWS



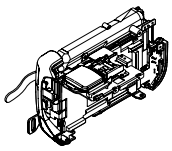
A OVERALL SECTION-1



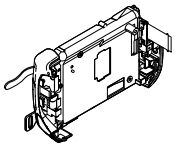
B OVERALL SECTION-2



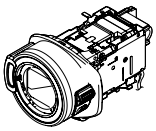
C OVERALL SECTION-3



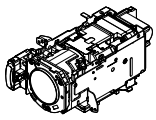
D CABINET (L) SECTION-1



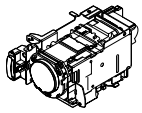
E CABINET (L) SECTION-2



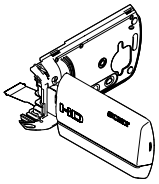
F CABINET (F) BLOCK



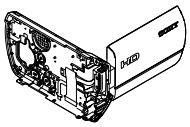
G LENS SECTION (SR7/SR7E/SR8/SR8E)



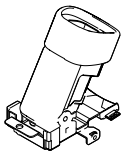
H LENS SECTION (SR5/SR5C/SR5E)



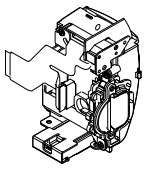
I CABINET (R) SECTION



J LCD PANEL BLOCK



K EVF BLOCK (SR7/SR7E/SR8/SR8E)



L BT PANEL BLOCK

Link ELECTRICAL PARTS LIST

ACCESSORIES

BL-013 BOARD K	FP-718 FLEXIBLE BOARD A	FP-729 FLEXIBLE BOARD E
CK-183 BOARD I	FP-719 FLEXIBLE BOARD E	JK-342 BOARD E
FP-515 FLEXIBLE BOARD A	FP-720 FLEXIBLE BOARD L	MS-374 BOARD L
FP-546 FLEXIBLE BOARD J	FP-721 FLEXIBLE BOARD D	PD-324 BOARD J
FP-717 FLEXIBLE BOARD F	FP-722 FLEXIBLE BOARD E	ST-175 BOARD G

5. REPAIR PARTS LIST

(ENGLISH)

NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- CAPACITORS:
  uF: μF
- COILS
  uH: μH
- RESISTORS
  All resistors are in ohms.
  METAL: metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F: nonflammable
- SEMICONDUCTORS
  In each case, u: μ, for example:
  uA...: μA... , uPA... , μPA... ,
  uPB... , μPB... , uPC... , μPC... ,
  uPD..., μPD...

When indicating parts by reference number, please include the board name.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

(JAPANESE)

【使用上の注意】

- ここに記載されている部品は，補修用部品であるため，回路図及びセットに付いている部品と異なる場合があります。
- −XX, −Xは標準化部品のため，セットに付いている部品と異なる場合があります。
- *印の部品は常備在庫しておりません。
- コンデンサの単位でuFはμFを示します。
- 抵抗の単位Ωは省略してあります。
  金　　被：金属被膜抵抗。
  サンキン：酸化金属被膜抵抗。
- インダクタの単位でuHはμHを示します。
- 半導体の名称でuA..., uPA..., uPB..., uPC..., uPD...等はそれぞれμA..., μPA..., μPB..., μPC..., μPD...を示します。

お願い
図面番号で部品を指定するときは基板名又はブロックを併せて指定してください。

⚠印の部品，または⚠印付の点線で囲まれた部品は，安全性を維持するために，重要な部品です。
従って交換時は，必ず指定の部品を使用してください。

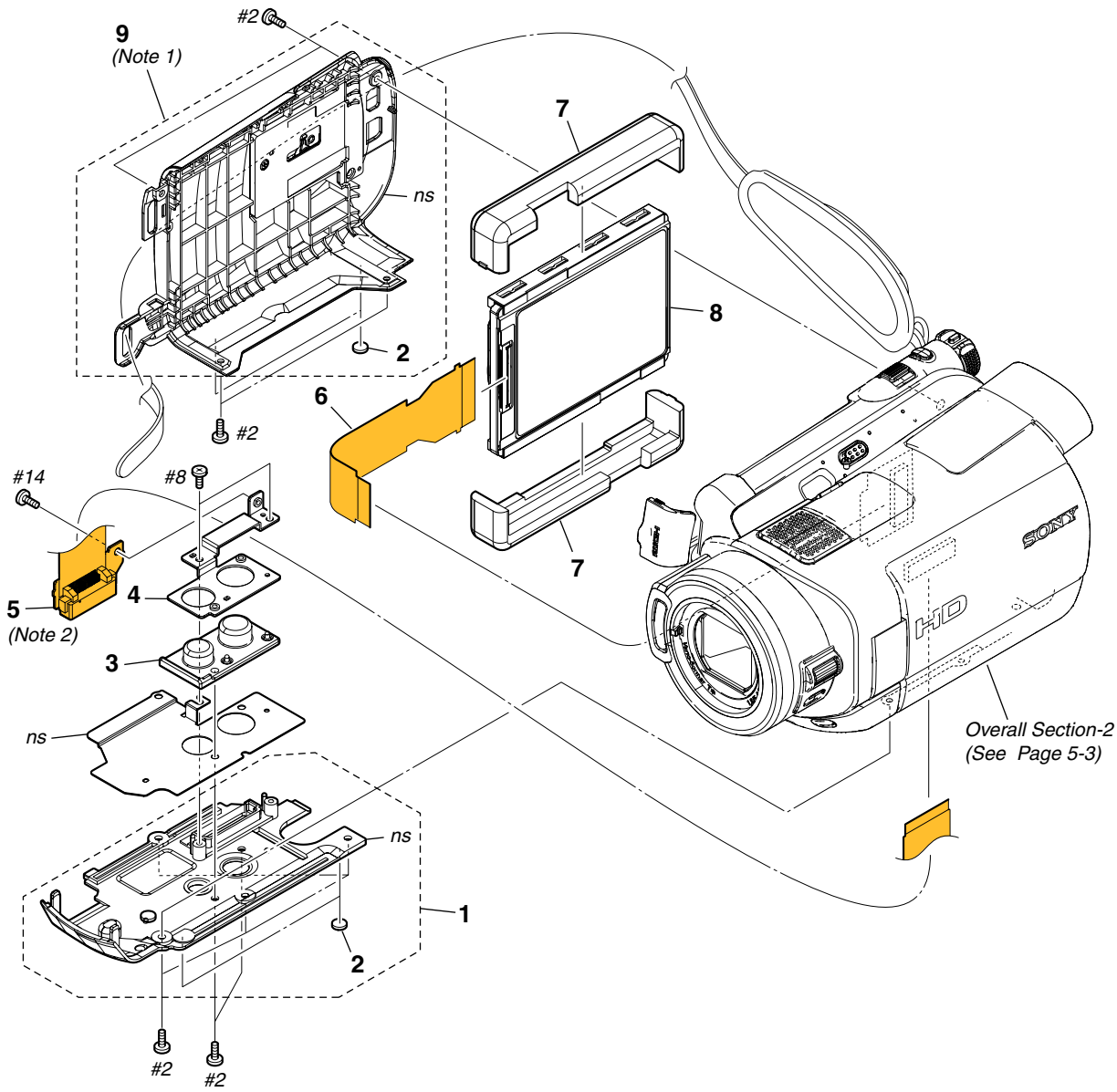
5. REPAIR PARTS LIST

DISASSEMBLY | HARDWARE LIST

5-1. EXPLODED VIEWS

5-1-1. OVERALL SECTION-1

ns: not supplied



Note 1 : Refer to page 1-13 “Precaution on replacing the cabinet (G) assy” when changing the cabinet (G) assy.

Note 1 : キャビネット (G) 組立の交換時は1−13ページの “キャビネット (G) 組立交換時の注意” を参照してください。

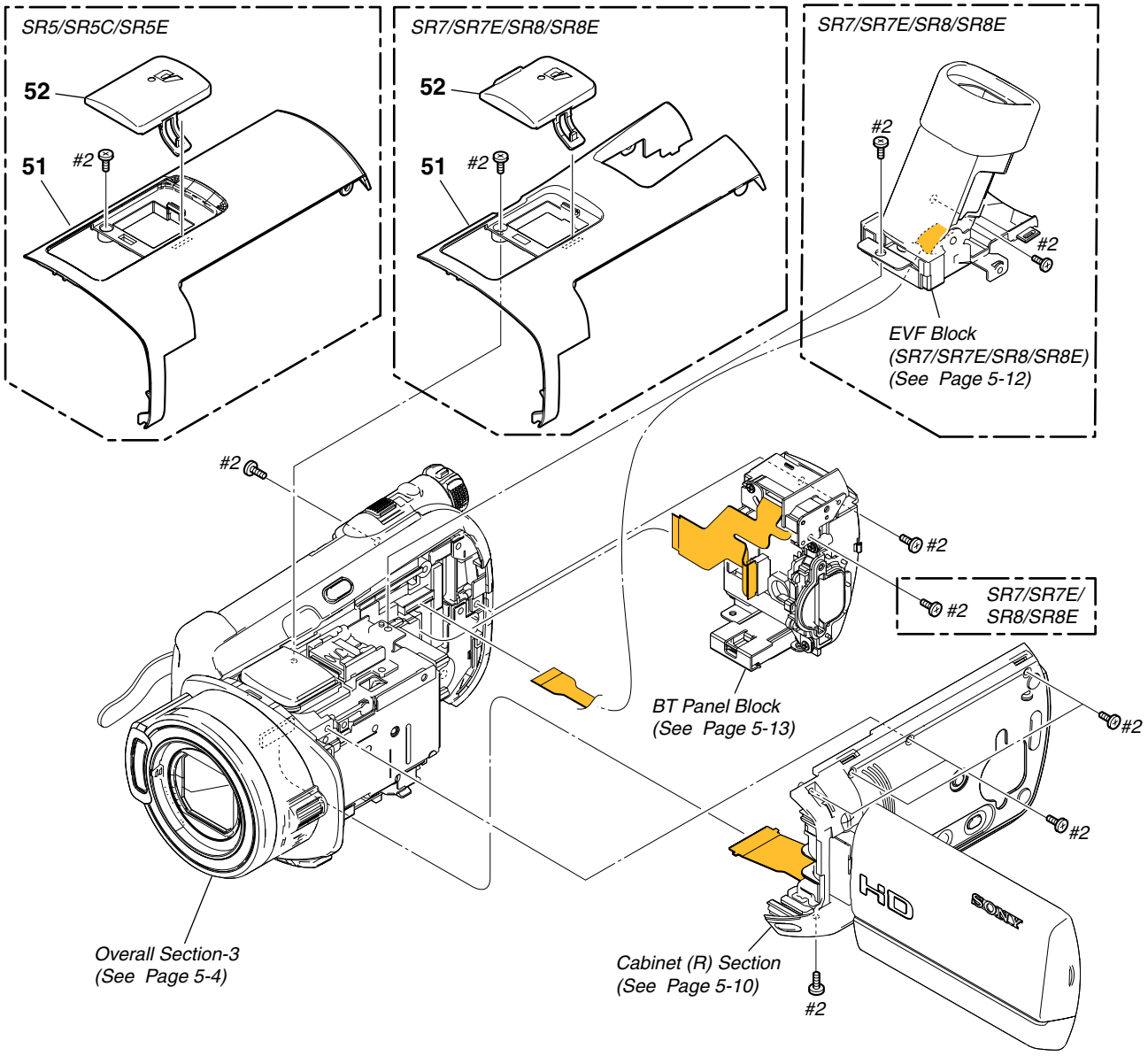
Note 2 : Be sure to read “HELP” when attach the FP-718 flexible board.

Note 2 : FP−718フレキシブル基板取付時は “HELP” を必ずお読みください。

Ref. No.	Part No.	Description
1	A-1317-545-A	CABINET (SERVICE), BOTTOM
2	2-589-376-01	FOOT (395), RUBBER
* 3	3-213-064-01	SCREW, TRIPOD
* 4	3-213-066-01	FRAME, BOTTOM CABINET
5	A-1274-040-A	FP-718 FLEXIBLE BOARD, COMPLETE (Note 2)
6	A-1202-561-A	FP-515 FLEXIBLE BOARD, COMPLETE
7	2-697-545-01	DAMPER, DM
8	1-797-659-11	HDD (MK6008GAH-60GB) (SR7/SR7E)

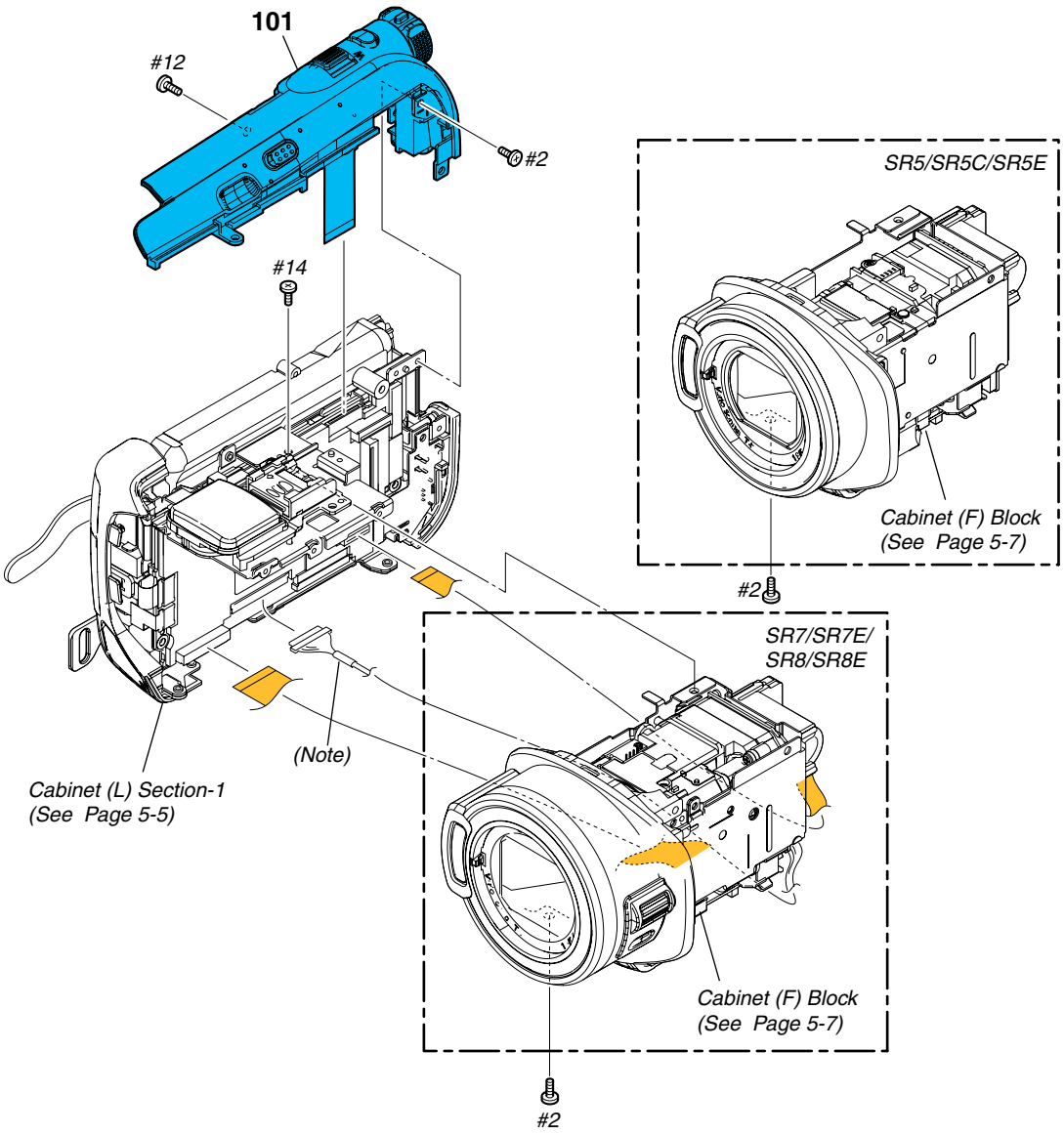
Ref. No.	Part No.	Description
8	1-797-808-11	HDD (MK4009GAL-40GB) (SR5/SR5E)
8	1-797-867-11	HDD (MK1011GAH-100GB) (SR5C/SR8/SR8E)
9	(Note 1)	CABINET (G) ASSY
#2	2-635-562-31	SCREW (M1.7) (Black)
#8	3-078-890-01	SCREW, TAPPING (Silver)
#14	2-599-475-11	SCREW (M1.7) (Silver)

5-1-2. OVERALL SECTION-2



Ref. No.	Part No.	Description
51	3-212-977-01	CABINET (T (255)) (SR7:J)
51	3-212-977-11	CABINET (T (255)) (SR7:US, CND, E, KR, JE/ SR7E/SR8:US, CND, E, KR, JE/SR8E)
51	3-212-977-21	CABINET (T (255)) (SR8:J)
51	X-2178-757-1	CABINET (T (253)) ASSY (SR5/SR5C/SR5E)
52	X-2178-751-1	COVER (255C) ASSY, SHOE (SR7:J)
52	X-2178-752-1	COVER (255B) ASSY, SHOE (SR7:US, CND, E, KR, JE/SR7E/SR8/SR8E)
52	X-2178-753-1	COVER (253) ASSY, SHOE (SR5/SR5C/SR5E)
#2	2-635-562-31	SCREW (M1.7) (Black)

5-1-3. OVERALL SECTION-3



Note: Refer to page 2-1 “Note for disconnection the harness” when changing the harness.

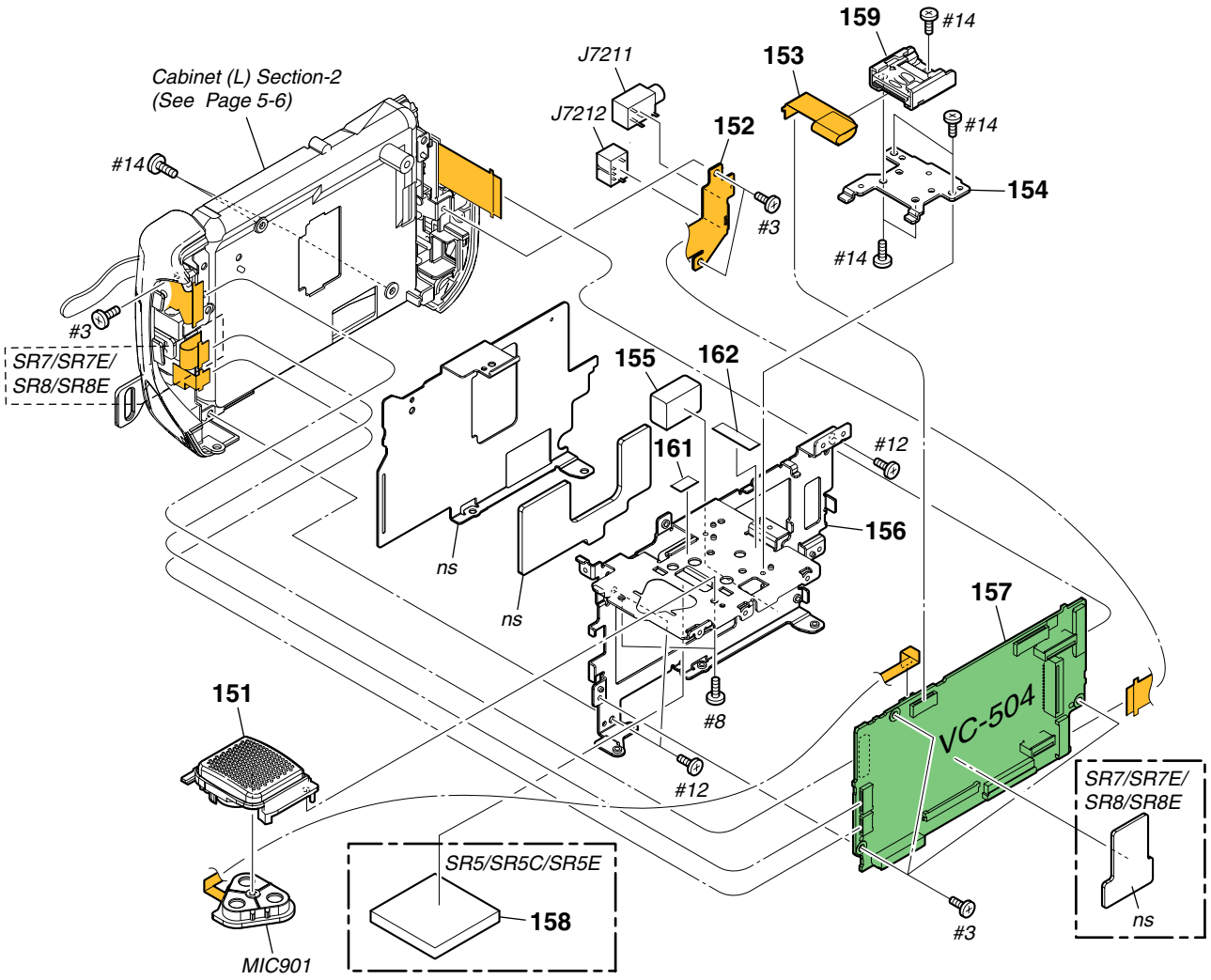
Note: HARNESS (COAXIAL CABLE) の交換時は2-1ページ “Note for disconnection the harness” を参照して下さい。

Ref. No.	Part No.	Description
101	1-480-164-11	SWITCH BLOCK, CONTROL (PS25500) (SR7:J/SR8:J)
101	1-480-164-21	SWITCH BLOCK, CONTROL (PS25500) (SR7:US, CND, E, KR, JE/SR7E/SR8:US, CND, E, KR, JE/SR8E)
101	1-480-164-41	SWITCH BLOCK, CONTROL (PS25500) (SR5/SR5C/SR5E)

Ref. No.	Part No.	Description
#2	2-635-562-31	SCREW (M1.7) (Black)
#12	3-080-204-21	SCREW, TAPPING, P2 (Black)
#14	2-599-475-11	SCREW (M1.7) (Silver)

5-1-4. CABINET (L) SECTION-1

ns: not supplied



• Refer to page 5-1 for mark ⚠.

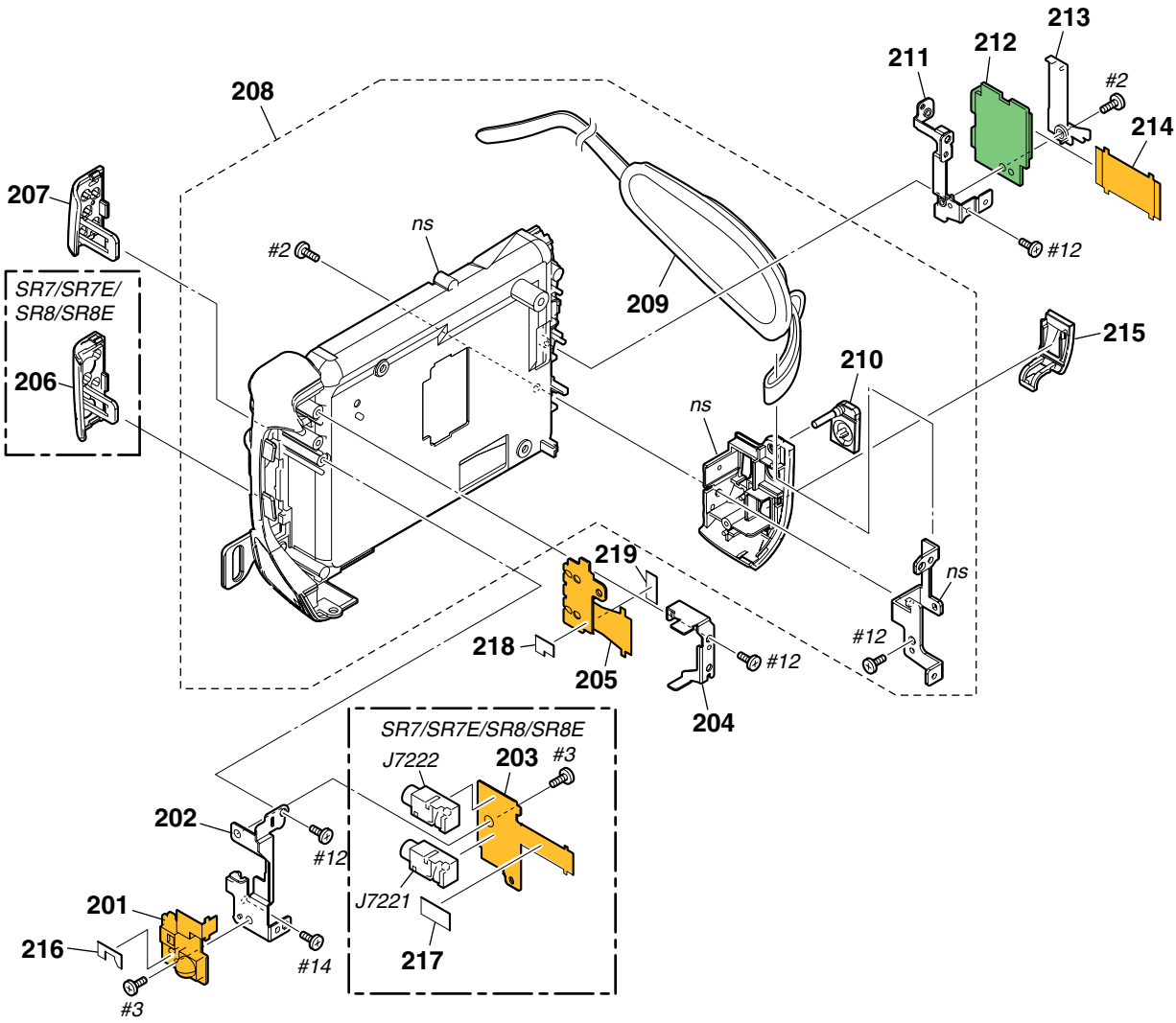
Ref. No.	Part No.	Description
151	X-2178-754-1	HOLDER ASSY, MICROPHONE (SR7:J)
151	X-2178-755-1	HOLDER (255B) ASSY, MICROPHONE (SR7:US, CND, E, KR, JE/SR7E/SR8/SR8E)
151	X-2178-756-1	HOLDER (253) ASSY, MICROPHONE (SR5/SR5C/SR5E)
152	1-873-196-11	FP-721 FLEXIBLE BOARD
153	1-873-200-11	FP-725 FLEXIBLE BOARD
154	3-212-974-01	FRAME, SHOE
* 155	2-673-770-01	GASKET (D)
156	3-212-973-01	FRAME, MAIN
157	A-1274-786-A	VC-504 BOARD, COMPLETE (SREVICE) (SR7/SR8)
157	A-1274-787-A	VC-504 BOARD, COMPLETE (SREVICE) (SR7E/SR8E)
157	A-1274-788-A	VC-504 BOARD, COMPLETE (SREVICE) (SR5/SR5C)
157	A-1274-789-A	VC-504 BOARD, COMPLETE (SREVICE) (SR5E)
* 158	3-214-816-01	CUSHION (253), SILENCE (SR5/SR5C/SR5E)
159	1-818-890-11	CONNECTOR, EXTERNAL (HOT SHOE)
* 161	3-269-692-01	SHEET (SMALL), ABSORBING
* 162	3-269-691-01	SHEET (LARGE), ABSORBING
J7211	1-793-995-21	JACK, SUPER SMALL TYPE (REMOTE)
⚠J7212	1-815-792-11	CONNECTOR, DC-IN (7.2V) (DC IN)
MIC901	1-542-711-31	MICROPHONE UNIT
#3	2-660-401-01	SCREW (M1.7), NEW TRU-STAR, P2 (Red)
#8	3-078-890-01	SCREW, TAPPING (Silver)
#12	3-080-204-21	SCREW, TAPPING, P2 (Black)
#14	2-599-475-11	SCREW (M1.7) (Silver)

5. REPAIR PARTS LIST

DISASSEMBLY | HARDWARE LIST

5-1-5. CABINET (L) SECTION-2

ns: not supplied



Ref. No.	Part No.	Description
201	A-1274-042-A	FP-729 FLEXIBLE BOARD, COMPLETE
* 202	3-213-057-01	FRAME (F), JACK
203	1-873-197-11	FP-722 FLEXIBLE BOARD (SR7/SR7E/SR8/SR8E)
* 204	3-213-058-01	FRAME (HDMI), JACK
205	A-1274-041-A	FP-719 FLEXIBLE BOARD, COMPLETE
206	X-2178-750-1	COVER (MICHP) ASSY, JACK (SR7/SR7E/SR8/SR8E)
207	X-2178-749-1	COVER (HDMI) ASSY, JACK
208	X-2178-739-1	CABINET (L (255)) ASSY (SR7/SR7E/SR8/SR8E)
208	X-2178-740-1	CABINET (L (253)) ASSY (SR5/SR5C/SR5E)
209	2-664-928-31	BELT, GRIP
210	3-213-124-01	COVER (REMOTE), JACK
* 211	3-213-059-01	FRAME (R), JACK
212	A-1274-034-A	JK-342 BOARD, COMPLETE

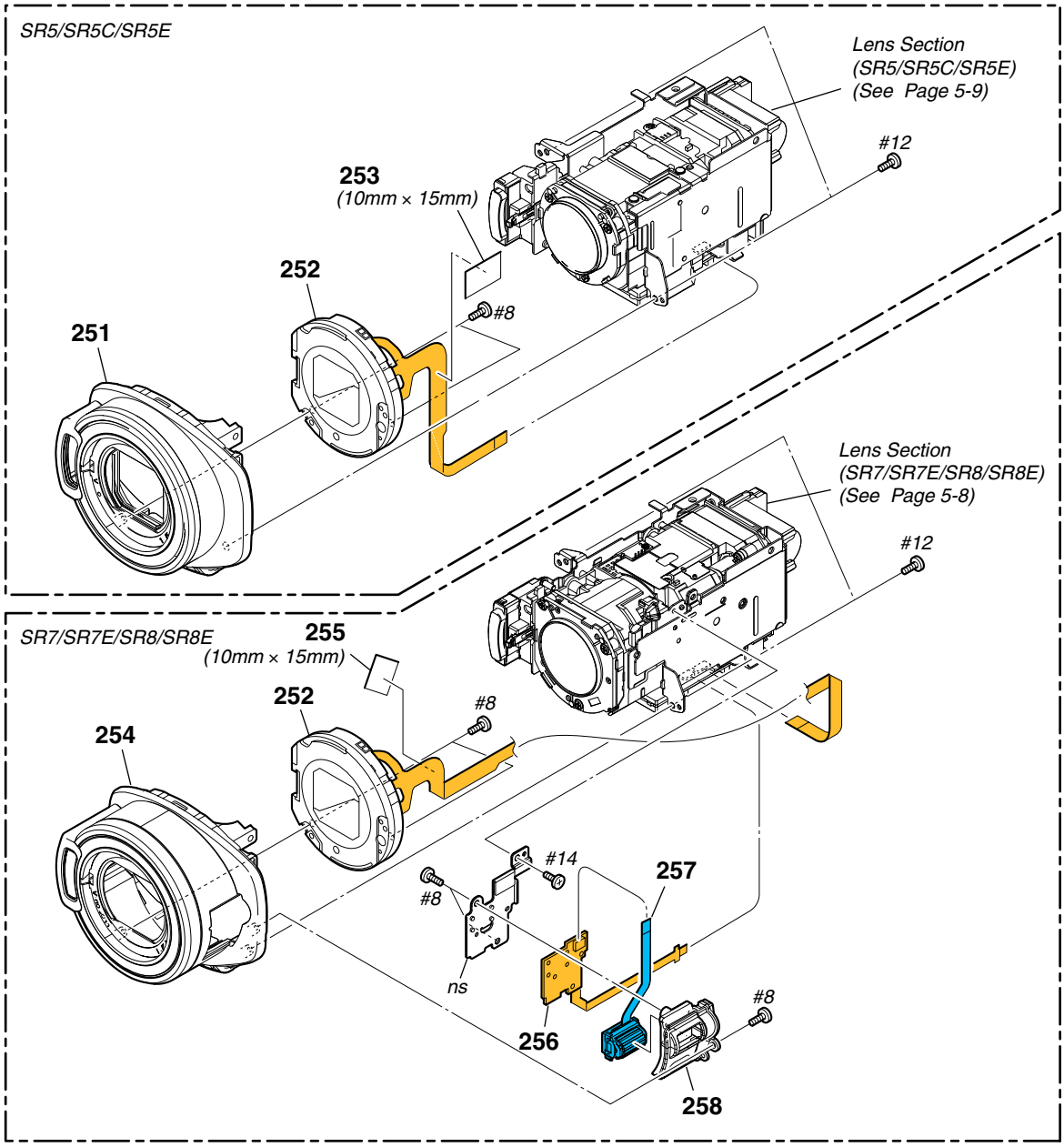
Ref. No.	Part No.	Description
* 213	3-213-060-01	RETAINER, D TERMINAL
214	1-873-201-11	FP-726 FLEXIBLE BOARD
215	3-213-160-01	COVER (DC), JACK
* 216	3-269-696-01	SHEET, TALLY LIGHT INTERCEPTION
* 217	3-269-693-01	GUARD, MIC FLEXIBLE (SR7/SR7E/SR8/SR8E)
* 218	3-269-695-01	CUSHION (REAR), HDMI
* 219	3-269-694-01	CUSHION (FRONT), HDMI
J7221	1-569-950-41	JACK (SMALL TYPE) (HEADPHONE) (SR7/SR7E/SR8/SR8E)
J7222	1-691-737-41	JACK (SMALL TYPE) (MIC (PLUG IN POWER)) (SR7/SR7E/SR8/SR8E)
#2	2-635-562-31	SCREW (M1.7) (Black)
#3	2-660-401-01	SCREW (M1.7), NEW TRU-STAR, P2 (Red)
#12	3-080-204-21	SCREW, TAPPING, P2 (Black)
#14	2-599-475-11	SCREW (M1.7) (Silver)

5. REPAIR PARTS LIST

DISASSEMBLY | HARDWARE LIST

5-1-6. CABINET (F) BLOCK

ns: not supplied



CAUTION :
For the part of 253: TAPE AS (3-079-115-01) or 255: TAPE (A (2/3)) (2-676-475-01), cut NON WOVEN (T0.25) (3-076-631-01) into the desired length and use it.

CAUTION :
253: TAPE AS (3-079-115-01)、255: TAPE (A(2/3)) (2-676-475-01)は、ヒメロン T0.25 (3-076-631-01) を切って使用して下さい。

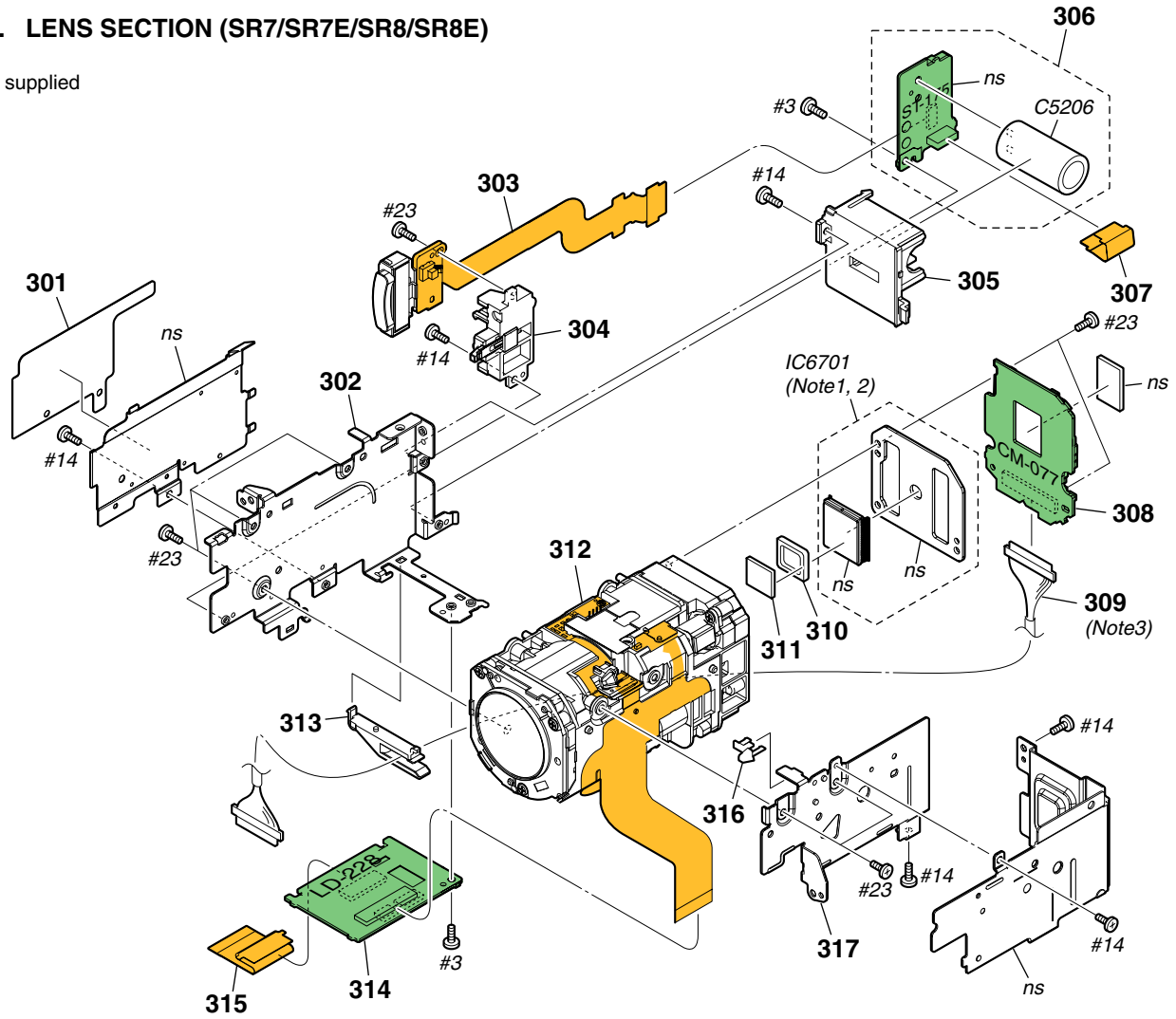
Ref. No.	Part No.	Description
251	X-2178-738-1	CABINET (F (253)) ASSY (SR5/SR5C/SR5E)
252	A-1217-971-A	LENS BARRIER UNIT
253	CAUTION	TAPE AS (SR5/SR5C/SR5E)
254	X-2178-735-1	CABINET (F (255C)) ASSY (SR7:J)
254	X-2178-736-1	CABINET (F (255B)) ASSY (SR8:J)
254	X-2178-737-1	CABINET (F (255B)) ASSY (E) (SR7:US, CND, E, KR, JE/SR7E/SR8:US, CND, E, KR, JE/SR8E)
255	CAUTION	TAPE (A(2/3)) (SR7/SR7E/SR8/SR8E)
256	A-1274-039-A	FP-717 FLEXIBLE BOARD, COMPLETE (SR7/SR7E/SR8/SR8E)
257	1-479-004-21	SWITCH BLOCK, CONTROL (AD11800) (SR7/SR7E/SR8/SR8E)
258	X-2178-734-1	BASE ASSY, AD (SR7/SR7E/SR8/SR8E)
#8	3-078-890-01	SCREW, TAPPING (Silver)
#12	3-080-204-21	SCREW, TAPPING, P2 (Black)
#14	2-599-475-11	SCREW (M1.7) (Silver) (SR7/SR7E/SR8/SR8E)

5. REPAIR PARTS LIST

DISASSEMBLY | HARDWARE LIST

5-1-7. LENS SECTION (SR7/SR7E/SR8/SR8E)

ns: not supplied



Note 1:	IC6701 is not supplied, but this is included in CMOS block assy.
Note 1:	IC6701は交換対象ではありませんが，CMOS部組に含まれます。
Note 2:	Be sure to read “Precautions for Replacement of Imager” on page 4-3 when changing the imager.
Note 2:	イメージャの交換時は4－4 ページの “イメージャ交換時の注意” を必ずお読みください。
Note 3:	Refer to page 2-1 “Note for disconnection the harness” when changing the harness.
Note 3:	HARNESS (COAXIAL CABLE) の交換時は2−1ページ “Note for disconnection the harness” を参照して下さい。

• Refer to page 5-1 for mark ⚠.

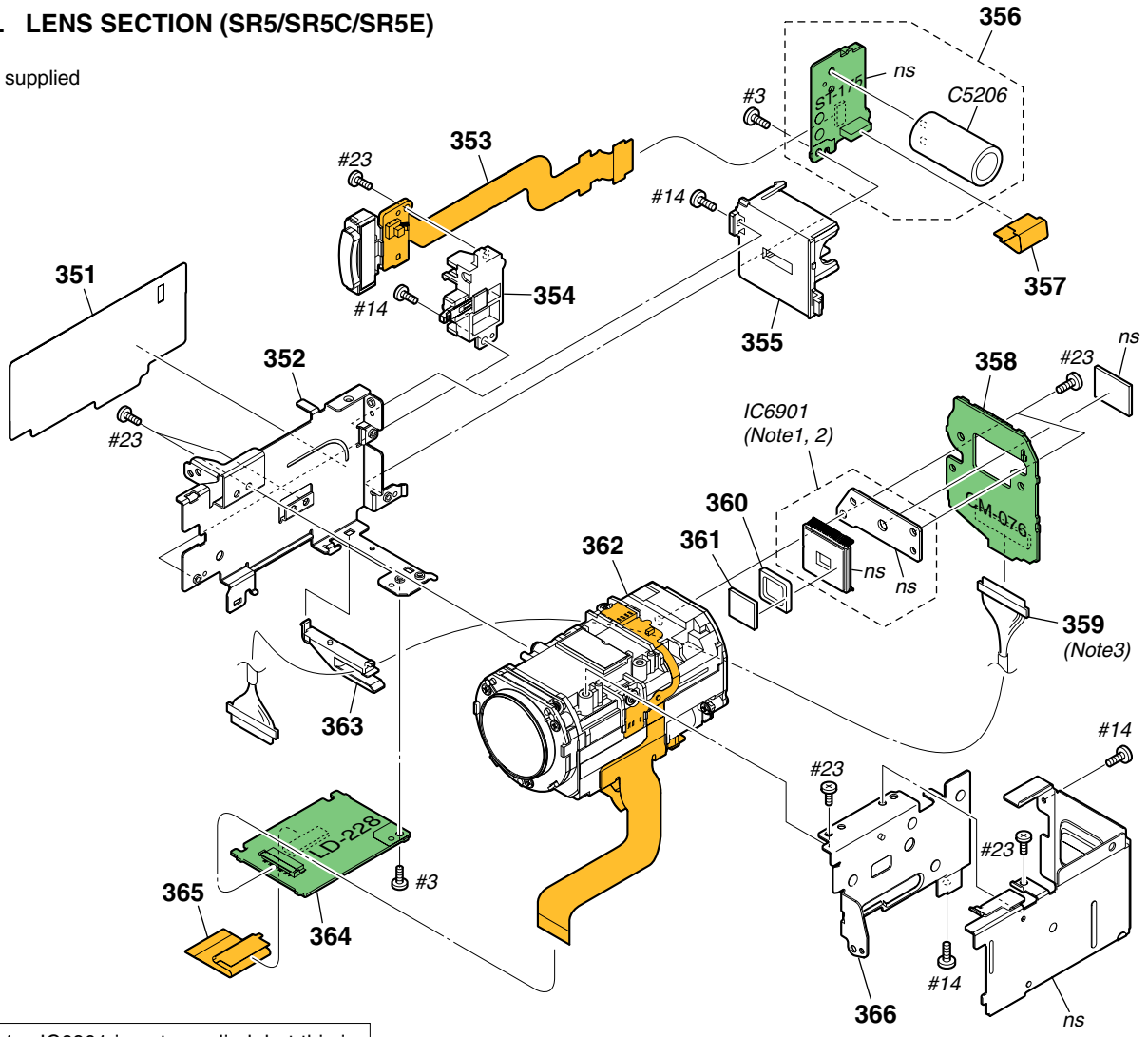
Ref. No.	Part No.	Description
* 301	3-213-042-01	SHEET (255), VC INSULATING
* 302	3-213-033-01	FRAME (L (255)), LENS
⚠303	1-480-263-11	FLASH UNIT
304	X-2176-859-1	HOLDER ASSY, ST
* 305	3-213-035-01	HOLDER, CAPACITOR
306	A-1274-038-A	ST-175 BOARD, COMPLETE
307	1-873-199-11	FP-724 FLEXIBLE BOARD
308	A-1237-309-A	CM-077 BOARD, COMPLETE (SERVICE)
309	1-965-256-11	HARNESS (COAXIAL CABLE) (Note3)
310	2-698-010-01	RUBBER (1190), SEAL
311	1-788-558-11	FILTER BLOCK, OPTICAL
312	A-1227-735-A	LSV-1190A (SERVICE)
* 313	3-213-036-01	CLAMP, HARNESS
314	A-1274-032-A	LD-228 (FIR) BOARD, COMPLETE
315	1-873-198-11	FP-723 FLEXIBLE BOARD
* 316	3-213-037-01	GUARD, BARRIER FLEXIBLE
* 317	3-213-034-01	FRAME (R (255)), LENS
⚠*C5206	1-114-393-11	CAP, ELECT 70MF 330V
IC6701	A-1209-688-A	CMOS BLOCK ASSY (CMOS IMAGER)(Note1, 2)
#3	2-660-401-01	SCREW (M1.7), NEW TRU-STAR, P2 (Red)
#14	2-599-475-11	SCREW (M1.7) (Silver)
#23	3-080-204-11	SCREW, TAPPING, P2 (Black)

5. REPAIR PARTS LIST

DISASSEMBLY | HARDWARE LIST

5-1-8. LENS SECTION (SR5/SR5C/SR5E)

ns: not supplied



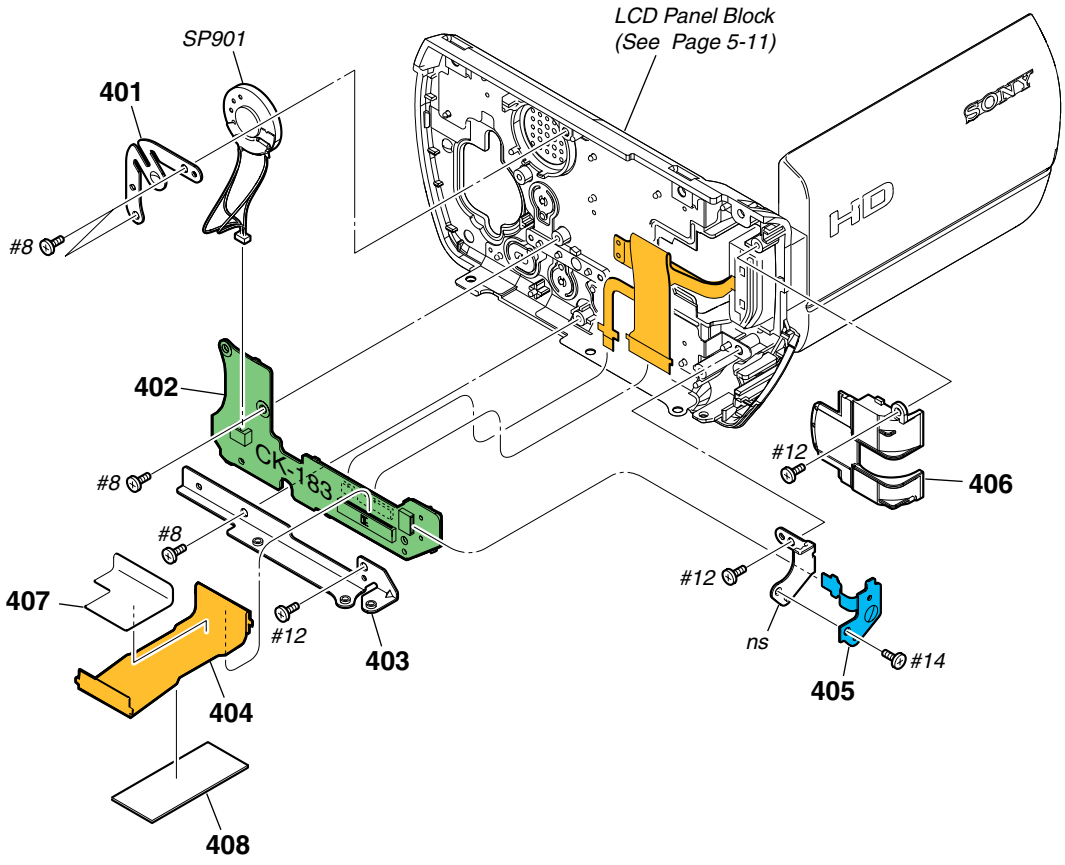
Note 1:	IC6901 is not supplied, but this is included in CMOS block assy.
Note 1:	IC6901は交換対象ではありませんが，CMOS部組に含まれます。
Note 2:	Be sure to read “Precautions for Replacement of Imager” on page 4-3 when changing the imager.
Note 2:	イメージャの交換時は4－4 ページの “イメージャ交換時の注意” を必ずお読みください。
Note 3:	Refer to page 2-1 “Note for disconnection the harness” when changing the harness.
Note 3:	HARNESS (COAXIAL CABLE) の交換時は2−1ページ “Note for disconnection the harness” を参照して下さい。

• Refer to page 5-1 for mark ⚠.

Ref. No.	Part No.	Description
* 351	3-213-045-01	SHEET (253), VC INSULATING
* 352	3-213-043-01	FRAME (L (253)), LENS
⚠353	1-480-263-11	FLASH UNIT
354	X-2176-859-1	HOLDER ASSY, ST
* 355	3-213-035-01	HOLDER, CAPACITOR
356	A-1274-038-A	ST-175 BOARD, COMPLETE
357	1-873-199-11	FP-724 FLEXIBLE BOARD
358	A-1231-932-A	CM-076 BOARD, COMPLETE
359	1-965-258-71	HARNESS (COAXIAL CABLE) (Note3)
360	2-629-086-01	RUBBER (871), SEAL
361	1-788-382-11	OPTICAL FILTERBLOCK (OFB-03-26)
362	8-848-825-01	DEVICE, LENS LSV-942C
* 363	3-213-036-01	CLAMP, HARNESS
364	A-1274-033-A	LD-228 (FIY) BOARD, COMPLETE
365	1-873-198-11	FP-723 FLEXIBLE BOARD
* 366	3-213-044-01	FRAME (R (253)), LENS
⚠*C5206	1-114-393-11	CAP, ELECT 70MF 330V
IC6901	A-1172-742-A	CMOS BLOCK ASSY (CMOS IMAGER)(Note1, 2)
#3	2-660-401-01	SCREW (M1.7), NEW TRU-STAR, P2 (Red)
#14	2-599-475-11	SCREW (M1.7) (Silver)
#23	3-080-204-11	SCREW, TAPPING, P2 (Black)

5-1-9. CABINET (R) SECTION

ns: not supplied

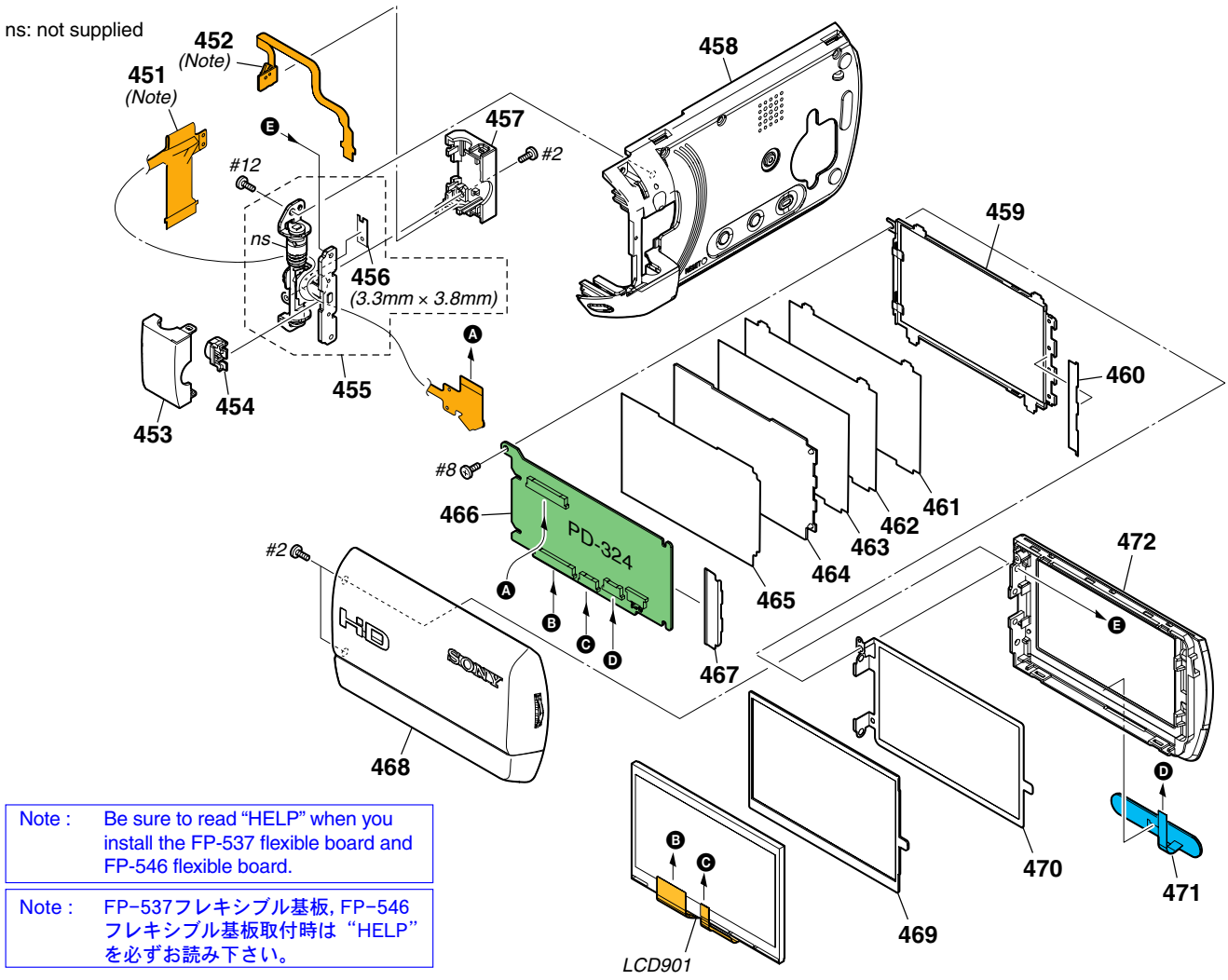


Ref. No.	Part No.	Description
401	3-213-049-01	FRAME, SP RETAINER
402	A-1274-036-A	CK-183 BOARD, COMPLETE
* 403	3-213-050-01	FRAME, CABINET (R)
404	1-873-203-11	FP-727 FLEXIBLE BOARD
405	1-480-165-11	SWITCH BLOCK, CONTROL (SB25500)
406	3-213-048-01	COVER, HINGE BLIND

Ref. No.	Part No.	Description
* 407	3-270-566-01	SHEET, WATERPROOF
* 408	3-218-521-01	SHEET, FLEXIBLE ELECTROSTATIC
SP901	1-825-262-82	LOUD SPEAKER (1.6CM)
#8	3-078-890-01	SCREW, TAPPING (Silver)
#12	3-080-204-21	SCREW, TAPPING, P2 (Black)
#14	2-599-475-11	SCREW (M1.7) (Silver)

5-1-10. LCD PANEL BLOCK

ns: not supplied



Note : Be sure to read "HELP" when you install the FP-537 flexible board and FP-546 flexible board.

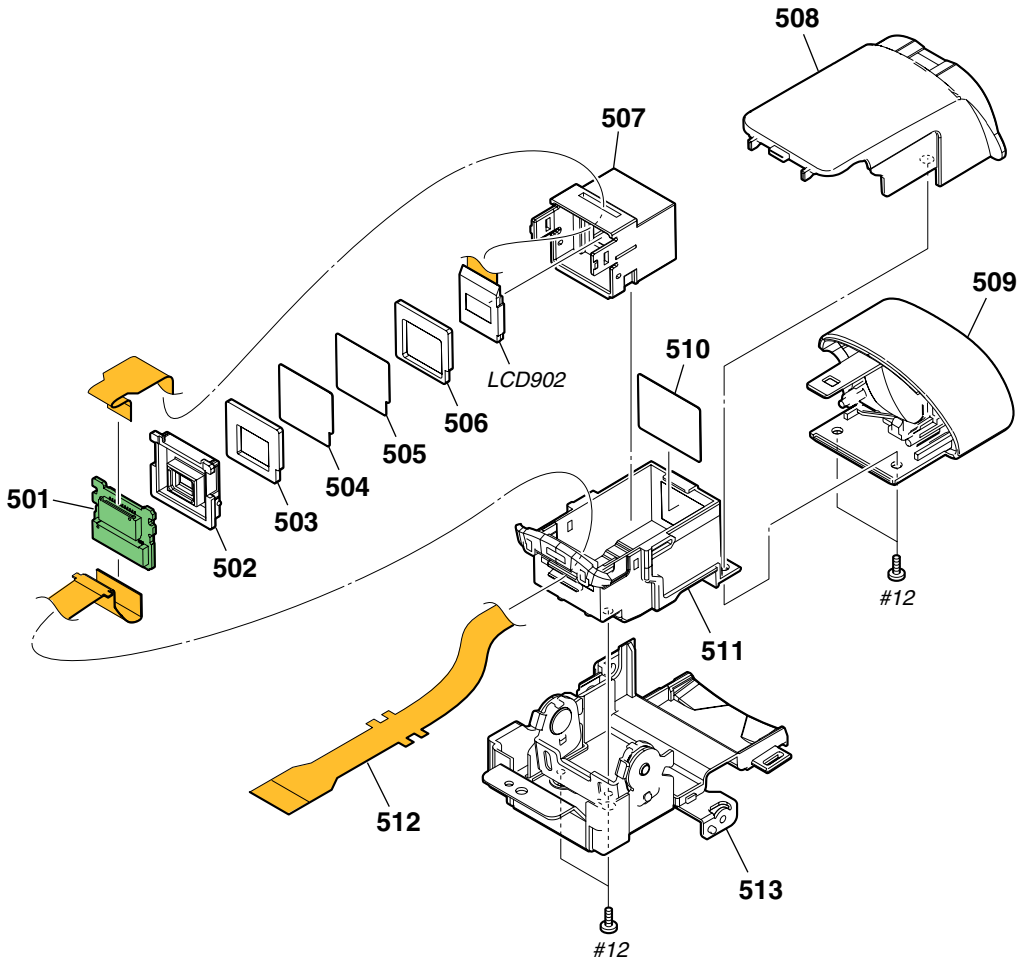
Note : FP-537フレキシブル基板, FP-546 フレキシブル基板取付時は "HELP" を必ずお読み下さい。

CAUTION :
For the part of 456: SHEET, HINGE ADHESIVE (3-089-465-01), cut SHEET, ADHESIVE (2-649-300-01) into the desired length and use it.

CAUTION :
456: ヒンジ接着紙 (3-089-465-01) は、接着紙 (2-649-300-01) を切って使用して下さい。

Ref. No.	Part No.	Description
451	1-870-992-11	FP-537 FLEXIBLE BOARD (Note)
452	A-1239-340-A	FP-546 FLEXIBLE BOARD, COMPLETE (Note)
453	3-213-051-01	COVER (O), PANEL HINGE (SR7:J)
453	3-213-051-11	COVER (O), PANEL HINGE (SR7:US, CND, E, KR, JE/SR7E/SR8/SR8E)
453	3-213-051-21	COVER (O), PANEL HINGE (SR5/SR5C/SR5E)
* 454	3-096-413-01	CLAMP, FLEXIBLE
455	X-2108-475-1	HINGE ASSY
456	CAUTION	SHEET, HINGE ADHESIVE
457	3-213-052-01	COVER (U), PANEL HINGE
458	X-2178-741-1	CABINET (R) ASSY (E) (EXCEPT SR7:J/SR8:J)
458	X-2178-742-1	CABINET (R) ASSY (SR7:J/SR8:J)
459	2-887-999-01	FRONT FRAME (2.7J)
460	2-666-807-02	AG SHEET (2.7)
461	2-666-802-01	PRISM SHEET V (2.7)
462	2-666-803-01	PRISM SHEET H (2.7)
463	2-666-804-01	DIFFUSION SHEET (2.7)
464	2-666-801-01	LIGHT GUIDE (2.7)
465	2-894-347-01	REFLECTION SHEET (2.7J)
466	A-1242-019-A	PD-324 BOARD, COMPLETE
* 467	2-638-780-01	CLIP
468	X-2178-743-1	CABINET (C (255C)) ASSY, P (SR7:J)
468	X-2178-744-1	CABINET (C (255B)) ASSY, P (SR7:US, CND, E, KR, JE/SR7E)
468	X-2178-745-1	CABINET (C (253)) ASSY, P (SR5/SR5C/SR5E)
468	X-2179-066-1	CABINET (C (SR8B)) ASSY, P (SR8/SR8E)
* 469	2-672-277-01	CUSHION, TP
* 470	3-213-054-01	FRAME, PANEL GROUND
471	1-479-995-11	KEY BLOCK, CONTROL (SB22200)
472	3-213-053-01	CABINET (M), P (SR7:J/SR8:J)
472	3-213-053-11	CABINET (M), P (EXCEPT SR7:J/SR8:J)
LCD901	A-1202-059-A	TP BLOCK ASSY (27ESTMG07)
#2	2-635-562-31	SCREW (M1.7) (Black)
#8	3-078-890-01	SCREW, TAPPING (Silver)
#12	3-080-204-21	SCREW, TAPPING, P2 (Black)

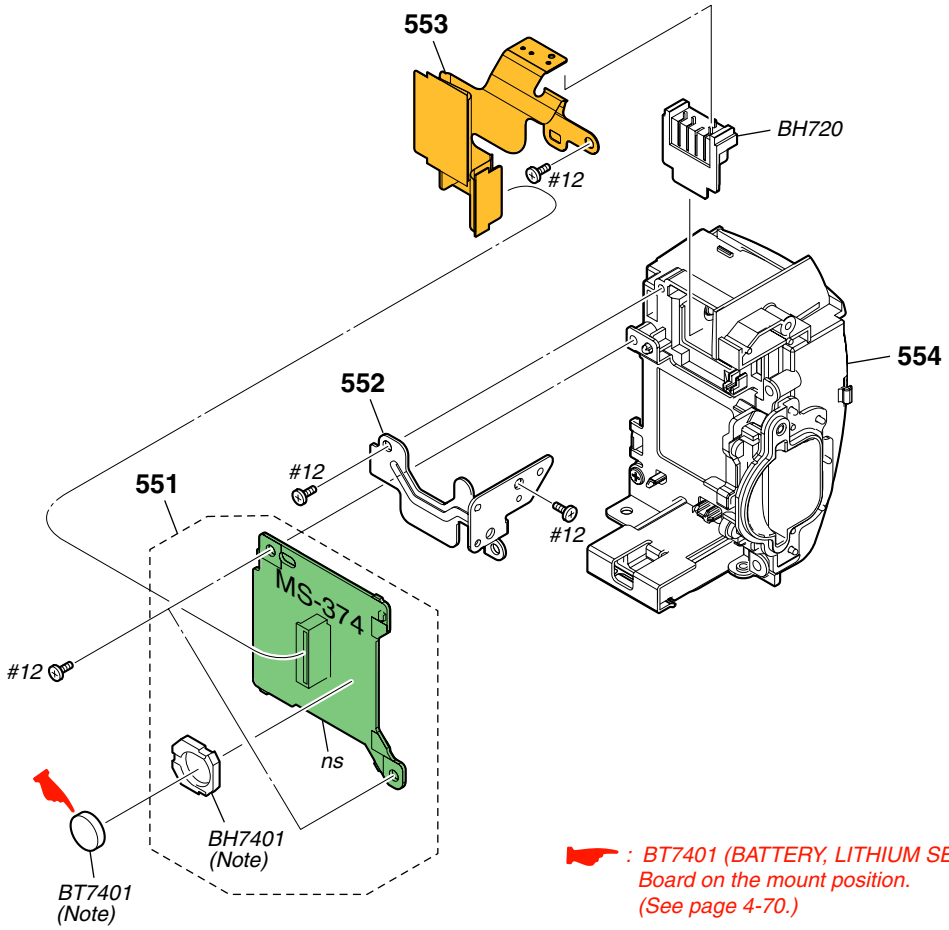
5-1-11. EVF BLOCK (SR7/SR7E/SR8/SR8E)



Ref. No.	Part No.	Description
501	A-1274-035-A	BL-013 BOARD, COMPLETE
502	2-664-672-01	GUIDE, LAMP
* 503	2-638-819-01	CUSHION, LCD
* 504	2-638-818-01	ILLUMINATOR
* 505	2-638-816-01	PLATE (TFT), DEFLECTION
506	2-664-671-01	SPACER, LCD
* 507	2-699-236-01	CABINET (222), INNER
508	3-213-061-01	CABINET (UPPER), VF (SR7:J)
508	3-213-061-11	CABINET (UPPER), VF (SR7:US, CND, E, KR, JE/SR7E/SR8/SR8E)
509	X-2178-733-1	EYE CUP ASSY
* 510	2-668-134-01	PANEL (CF), POLARIZATION
511	3-213-062-01	CABINET (LOWER), VF
512	1-873-204-11	FP-728 FLEXIBLE BOARD
513	X-2178-732-1	BASE ASSY, VF TILT
LCD902	8-753-241-14	LCX076AKE-1
#12	3-080-204-21	SCREW, TAPPING, P2 (Black)

5-1-12. BT PANEL BLOCK

ns: not supplied



Note: Replace the battery holder (BH7401) together when replacing the lithium battery (BT7401) on MS-374 board.
(The battery holder removed once cannot be used again.)
When mounting these parts, mount new battery holder first and attach new lithium battery next.

Note: MS-374基板のリチウム電池(BT7401)を交換する場合はバッテリホルダ(BH7401)も同時に新品に交換して下さい。
(一度使用したバッテリホルダは再使用できません。)
部品取り付けの際は、先にバッテリホルダを取り付けてからリチウム電池を装着してください。

CAUTION
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type.

注意
電池の交換は，正しく行わないと破裂する恐れがあります。電池を交換する場合には必ず同じ型名の電池又は同等品と交換してください。

• Refer to page 5-1 for mark ⚠.

Ref. No.	Part No.	Description
551	A-1274-037-A	MS-374 BOARD, COMPLETE
* 552	3-213-063-01	FRAME, BT TERMINAL
553	1-873-195-11	FP-720 FLEXIBLE BOARD
554	X-2178-731-1	PANEL ASSY, BT

Ref. No.	Part No.	Description
⚠BH720	1-780-064-21	BATTERY TERMINAL BOARD
⚠BH7401	1-756-615-31	HOLDER, BATTERY (Note)
⚠BT7401	1-528-900-31	BATTERY, LITHIUM SECONDARY (Note)
#12	3-080-204-21	SCREW, TAPPING, P2 (Black)

5-2. ELECTRICAL PARTS LIST

Ref. No.	Part No.	Description			
	A-1274-035-A	BL-013 BOARD, COMPLETE (SR7/SR7E/SR8/SR8E)			
		**********			
		< CAPACITOR >			
C5901	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C5902	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
		< CONNECTOR >			
* CN5901	1-816-648-51	FFC/FPC CONNECTOR (LIF) 20P			
* CN5902	1-817-560-71	CONNECTOR, FPC (ZIP) 21P			
		< DIODE >			
* D5901	6-501-591-01	DIODE NESW007AT-T099 (EVF BACKLIGHT)			
D5902	6-500-941-01	DIODE MAZS056008S0			
		< COMPOSITION CIRCUIT BLOCK >			
RB5901	1-234-380-21	RES, NETWORK 47K (1005X4)			
	A-1274-036-A	CK-183 BOARD, COMPLETE			
		**********			
		< CONNECTOR >			
* CN6001	1-816-654-51	FFC/FPC CONNECTOR (LIF) 6P			
* CN6002	1-816-654-51	FFC/FPC CONNECTOR (LIF) 6P			
CN6003	1-778-506-21	PIN, CONNECTOR (PC BOARD) 2P			
* CN6004	1-816-650-51	FFC/FPC CONNECTOR (LIF) 24P			
* CN6005	1-819-572-51	CONNECTOR, FFC/FPC (LIF) 30P			
		< DIODE >			
D6008	8-719-056-54	DIODE MAZS068008SO			
		< RESISTOR >			
R6001	1-218-963-11	RES-CHIP	6.8K	5%	1/16W
R6002	1-218-958-11	RES-CHIP	2.7K	5%	1/16W
R6003	1-208-720-11	METAL CHIP	36K	0.5%	1/16W
		< SWITCH >			
S6001	1-786-515-21	SWITCH, TACTILE (RESET)			
S6002	1-771-138-21	SWITCH, KEY BOARD (EASY)			
S6003	1-771-138-21	SWITCH, KEY BOARD (DISP/BATT INFO)			
S6004	1-771-138-21	SWITCH, KEY BOARD (PLAY)			
S6005	1-786-148-11	SWITCH, PUSH (1 KEY) (PANEL OPEN/CLOSE)			
S6006	1-771-138-21	SWITCH, KEY BOARD (FILM ROLL INDEX)			

Electrical parts list of the CM-076 and CM-077 boards is not shown.
Pages 5-15 to 5-16 are not shown.

Ref. No.	Part No.	Description			
	A-1202-561-A	FP-515 FLEXIBLE BOARD, COMPLETE			
		**********			
		< RESISTOR >			
R8401	1-218-929-11	RES-CHIP	10	5%	1/16W
R8402	1-218-929-11	RES-CHIP	10	5%	1/16W
R8403	1-218-929-11	RES-CHIP	10	5%	1/16W
R8404	1-218-929-11	RES-CHIP	10	5%	1/16W
R8405	1-218-929-11	RES-CHIP	10	5%	1/16W
R8406	1-218-929-11	RES-CHIP	10	5%	1/16W
R8407	1-218-929-11	RES-CHIP	10	5%	1/16W
R8408	1-218-929-11	RES-CHIP	10	5%	1/16W
R8409	1-218-929-11	RES-CHIP	10	5%	1/16W
R8410	1-218-929-11	RES-CHIP	10	5%	1/16W
R8411	1-218-929-11	RES-CHIP	10	5%	1/16W
R8412	1-218-929-11	RES-CHIP	10	5%	1/16W
R8413	1-218-929-11	RES-CHIP	10	5%	1/16W
R8414	1-218-929-11	RES-CHIP	10	5%	1/16W
R8415	1-218-929-11	RES-CHIP	10	5%	1/16W
R8416	1-218-929-11	RES-CHIP	10	5%	1/16W
	A-1239-340-A	FP-546 FLEXIBLE BOARD, COMPLETE			
		**********			
		< SWITCH >			
S001	1-786-680-21	SWITCH, DETECTION (SMD) (PANEL REVERSE DETECT)			
	A-1274-039-A	FP-717 FLEXIBLE BOARD, COMPLET (SR7/SR7E/SR8/SR8E)			
		**********			
		< CONNECTOR >			
* CN7171	1-816-654-51	FFC/FPC CONNECTOR (LIF) 6P			
		< SWITCH >			
S7171	1-786-157-31	TACTILE SWITCH (MANUAL)			
	A-1274-040-A	FP-718 FLEXIBLE BOARD, COMPLETE			
		**********			
(CN7181 is not supplied, but this is included in the FP-718 flexible complete board.)					
		< CONNECTOR >			
CN7181	(Not supplied)	CONNECTOR, MULTIPLE (SOCKET)			
	A-1274-041-A	FP-719 FLEXIBLE BOARD, COMPLETE			
		**********			
(CN7191 is not supplied, but this is included in the FP-719 flexible complete board.)					
		< CONNECTOR >			
CN7191	(Not supplied)	CONNECTOR, HDMI (HDMI)			

Ref. No.	Part No.	Description			
	1-873-195-11	FP-720 FLEXIBLE BOARD			
		**********			
(BH720 is not included in the FP-720 flexible board.)					
		< BATTERY TERMINAL >			
⚠ BH720	1-780-064-21	BATTERY TERMINAL BOARD			
	1-873-196-11	FP-721 FLEXIBLE BOARD			
		**********			
(J7211 and J7212 are not included in the FP-721 flexible board.)					
		< JACK >			
J7211	1-793-995-21	JACK, SUPER SMALL TYPE (REMOTE)			
⚠ J7212	1-815-792-11	CONNECTOR, DC-IN (7.2V) (DC IN)			
	1-873-197-11	FP-722 FLEXIBLE BOARD (SR7/SR7E/SR8/SR8E)			
		**********			
(J7221 and J7222 are not included in the FP-722 flexible board.)					
		< JACK >			
J7221	1-569-950-41	JACK (SMALL TYPE) (HEADPHONE)			
J7222	1-691-737-41	JACK (SMALL TYPE) (MIC (PLUG IN POWER))			
	A-1274-042-A	FP-729 FLEXIBLE BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C7291	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
		< DIODE >			
D7291	6-500-512-01	DIODE CL-330IRS-X-TU (NIGHT SHOT)			
D7292	8-719-064-07	DIODE SML-310LTT86 (TALLY)			
		< IC >			
IC7291	6-600-163-01	IC RS-770			
	A-1274-034-A	JK-342 BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C7301	1-164-933-11	CERAMIC CHIP	220PF	10%	50V
C7302	1-164-933-11	CERAMIC CHIP	220PF	10%	50V
		< CONNECTOR >			
CN7301	1-818-607-12	CONNECTOR, SQUARE TYPE 10P (COMPONENT OUT)			
CN7302	1-815-794-13	CONNECTOR (MULTIPLE) (AV OUT)			
* CN7303	1-818-087-51	CONNECTOR, FFC/FPC (LIF) 26P			
		< DIODE >			
D7301	6-500-750-01	DIODE NSAD500H-T1-A			
		< FERRITE BEAD >			
FB7301	1-400-927-31	BEAD, FERRITE (1005)			

• Refer to page 5-1 for mark ⚠.

Ref. No.	Part No.	Description
FB7302	1-400-927-31	BEAD, FERRITE (1005)
FB7305	1-400-833-21	SMD EMI FERRITE
FB7306	1-400-833-21	SMD EMI FERRITE
FB7307	1-400-833-21	SMD EMI FERRITE
FB7308	1-400-833-21	SMD EMI FERRITE
		< VARISTOR >
VDR731	1-803-974-11	VARISTOR, CHIP (1608)
VDR732	1-803-974-11	VARISTOR, CHIP (1608)
VDR734	1-803-974-11	VARISTOR, CHIP (1608)

Electrical parts list of the LD-228 board is not shown.
Pages 5-19 to 5-20 are not shown.

Ref. No.	Part No.	Description			
	A-1274-037-A	MS-374 BOARD, COMPLETE			
		**********			
(BT7401 (lithium secondary battery) is not included in the MS-374 complete board.)					
		< BATTERY HOLDER >			
⚠BH7401	1-756-615-31	HOLDER, BATTERY (Note)			
		< BATTERY >			
⚠BT7401	1-528-900-31	BATTERY, LITHIUM SECONDARY (Note)			
		< CAPACITOR >			
C7404	1-100-786-91	TANTAL. CHIP	22uF	20%	6.3V
C7405	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
		< CONNECTOR >			
* CN7401	1-779-334-51	CONNECTOR, FFC/FPC 20P			
* CN7402	1-819-990-21	MEMORY STICK DUO CONNECTOR 10P			
		< DIODE >			
D7401	6-501-216-01	DIODE CL-271HR-C-TS (ACCESS)			
		< FERRITE BEAD >			
FB7401	1-469-580-21	INDUCTOR, FERRITE BEAD (1005)			
FB7402	1-469-580-21	INDUCTOR, FERRITE BEAD (1005)			
FB7403	1-469-580-21	INDUCTOR, FERRITE BEAD (1005)			
FB7404	1-469-580-21	INDUCTOR, FERRITE BEAD (1005)			
		< RESISTOR >			
R7403	1-218-944-11	RES-CHIP	180	5%	1/16W
R7404	1-218-944-11	RES-CHIP	180	5%	1/16W
R7405	1-218-944-11	RES-CHIP	180	5%	1/16W
R7406	1-218-944-11	RES-CHIP	180	5%	1/16W

Note : Replace the battery holder (BH7401) together when replacing the lithium battery (BT7401) on MS-374 board.
(The battery holder removed once cannot be used again.)
When mounting these parts, mount new battery holder first and attach new lithium battery next.

Note :MS−374基板のリチウム電池(BT7401)を交換する場合は
バッテリホルダ(BH7401)も同時に新品に交換して下さい。
(一度使用したバッテリホルダは再使用できません。)
部品取り付けの際は、先にバッテリホルダを取り付けてから
リチウム電池を装着してください。

CAUTION
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type.

注意
電池の交換は，正しく行わないと破裂する恐れがあります。電池を交換する場合には必ず同じ型名の電池又は同等品と交換してください。

Ref. No.	Part No.	Description			
	A-1242-019-A	PD-324 BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C6101	1-100-581-81	CERAMIC CHIP	0.0047uF	10%	50V
C6102	1-100-581-81	CERAMIC CHIP	0.0047uF	10%	50V
C6103	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C6105	1-127-895-91	TANTAL. CHIP	22uF	20%	4V
C6107	1-165-884-91	CERAMIC CHIP	2.2uF	10%	6.3V
C6108	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C6109	1-164-739-11	CERAMIC CHIP	560PF	5%	50V
C6111	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C6112	1-100-786-91	TANTAL. CHIP	22uF	20%	6.3V
C6113	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C6114	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C6115	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
* C6116	1-112-298-91	CERAMIC CHIP	1uF	10%	16V
* C6117	1-112-298-91	CERAMIC CHIP	1uF	10%	16V
C6119	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C6120	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C6121	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C6123	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C6124	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C6125	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C6126	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
		< CONNECTOR >			
* CN6101	1-785-905-51	FFC/CONNECTOR, FPC (ZIF) 24P			
* CN6102	1-794-322-51	FFC/CONNECTOR, FPC (ZIF) 6P			
CN6104	1-816-180-71	CONNECTOR, FPC (ZIF) 6P			
* CN6105	1-785-905-51	FFC/CONNECTOR, FPC (ZIF) 24P			
		< DIODE >			
D6105	6-500-941-01	DIODE MAZS056008S0			
* D6106	6-501-597-01	DIODE NSSW008DT-T108 (LCD BACKLIGHT)			
* D6107	6-501-597-01	DIODE NSSW008DT-T108 (LCD BACKLIGHT)			
* D6108	6-501-597-01	DIODE NSSW008DT-T108 (LCD BACKLIGHT)			
		< FERRITE BEAD >			
FB6101	1-400-331-11	FERRITE, EMI (SMD) (1005)			
		< IC >			
IC6102	8-753-229-98	IC CXM3006CR-T4			
		< COIL >			
L6101	1-400-588-11	INDUCTOR	10uH		
L6102	1-400-588-11	INDUCTOR	10uH		
L6103	1-400-588-11	INDUCTOR	10uH		
		< TRANSISTOR >			
Q6101	8-729-427-37	TRANSISTOR	XP411F-TXE		
Q6102	8-729-427-67	TRANSISTOR	XP421F-TXE		
Q6107	6-550-239-01	TRANSISTOR	DTA144EMT2L		
Q6108	6-550-234-01	TRANSISTOR	UNR32A300LS0		
Q6109	6-551-184-01	TRANSISTOR	MCH6305-TL-E-S		
Q6110	8-729-054-48	TRANSISTOR	UP04601008S0		
Q6111	6-550-232-01	TRANSISTOR	2SA2029T2LQ/R		

• Refer to page 5-1 for mark ⚠.

Ref. No.	Part No.	Description			
Q6112	8-729-054-49	TRANSISTOR	UP04401008S0		
Q6113	8-729-054-48	TRANSISTOR	UP04601008S0		
		< RESISTOR >			
R6101	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R6102	1-218-955-11	RES-CHIP	1.5K	5%	1/16W
R6104	1-218-990-11	SHORT CHIP	0		
R6105	1-218-954-11	RES-CHIP	1.2K	5%	1/16W
R6109	1-218-975-11	RES-CHIP	68K	5%	1/16W
R6110	1-218-949-11	RES-CHIP	470	5%	1/16W
R6112	1-208-934-11	METAL CHIP	91K	0.5%	1/16W
R6115	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R6122	1-218-965-11	RES-CHIP	10K	5%	1/16W
R6130	1-208-898-11	METAL CHIP	3K	0.5%	1/16W
R6132	1-218-969-11	RES-CHIP	22K	5%	1/16W
R6133	1-218-977-11	RES-CHIP	100K	5%	1/16W
R6134	1-208-927-11	METAL CHIP	47K	0.5%	1/16W
R6135	1-218-981-81	RES-CHIP	220K	5%	1/16W
R6136	1-208-927-11	METAL CHIP	47K	0.5%	1/16W
R6137	1-218-978-11	RES-CHIP	120K	5%	1/16W
R6138	1-218-977-11	RES-CHIP	100K	5%	1/16W
R6139	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R6140	1-208-691-11	METAL CHIP	2.2K	0.5%	1/16W
R6141	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R6142	1-208-691-11	METAL CHIP	2.2K	0.5%	1/16W
R6143	1-218-977-11	RES-CHIP	100K	5%	1/16W
R6144	1-211-969-11	METAL CHIP	10	0.5%	1/10W
R6145	1-218-989-11	RES-CHIP	1M	5%	1/16W
R6152	1-218-990-11	SHORT CHIP	0		
R6153	1-218-990-11	SHORT CHIP	0		
R6154	1-218-990-11	SHORT CHIP	0		
R6155	1-216-864-11	SHORT CHIP	0		

	A-1274-038-A	ST-175 BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C5201	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5202	1-125-889-11	CERAMIC CHIP	2.2uF	10%	10V
C5203	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C5204	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
⚠*C5206	1-114-393-11	CAP, ELECT	70MF		330V
		< CONNECTOR >			
* CN5201	1-816-647-51	FFC/FPC CONNECTOR (LIF) 18P			
CN5202	1-779-331-51	CONNECTOR, FFC/FPC 14P			
		< DIODE >			
D5201	6-501-096-01	DIODE CRF02 (TE85R)			
⚠D5202	6-501-096-01	DIODE CRF02 (TE85R)			
		< IC >			
⚠IC5201	6-707-554-01	IC TPS65552DGQR			
		< COIL >			
L5201	1-412-027-11	INDUCTOR	2.2uH		

Ref. No.	Part No.	Description			
		< TRANSISTOR >			
⚠*Q5201	6-551-447-01	TRANSISTOR	TIG022TS-S-TL-E		
		< RESISTOR >			
R5201	1-208-947-11	METAL CHIP	330K	0.5%	1/16W
R5202	1-208-935-11	METAL CHIP	100K	0.5%	1/16W
R5203	1-216-864-11	SHORT CHIP	0		
R5204	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R5205	1-216-809-11	METAL CHIP	100	5%	1/10W
R5206	1-218-989-11	RES-CHIP	1M	5%	1/16W
R5207	1-218-953-11	RES-CHIP	1K	5%	1/16W
		< TRANSFORMER >			
⚠T5201	1-443-568-21	TRANSFORMER, D.C.-D.C.CONVERTER			

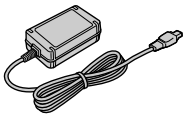
Electrical parts list of the VC-504 board is not shown.
Pages 5-23 to 5-32 are not shown.

• Refer to page 5-1 for mark ⚠.

• EXCEPT J MODEL

Checking supplied accessories.

to J MODEL



AC Adaptor
(AC-L200/L200B)
⚠ 1-479-285-21

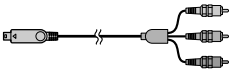
Power cord
⚠ 1-555-074-91 (AUS)
⚠ 1-790-107-42 (US, CND)
⚠ 1-792-549-41 (JE)
⚠ 1-827-269-12 (AEP, HK)
⚠ 1-827-826-41 (UK, E: PAL)
⚠ 1-832-121-31 (CH)
⚠ 1-833-892-21 (KR)
⚠ 1-834-852-11 (E: NTSC)

Operating Guide
(HDR-SR5/SR5C/SR7/SR8)
3-210-378-11 (ENGLISH) (US, CND, E, JE)
3-210-378-21 (FRENCH) (CND)
3-210-378-31 (SPANISH) (US, E:NTSC, JE)
3-210-378-41 (PORTUGUESE) (E: NTSC, JE)
3-210-378-51 (TRADITIONAL CHINESE) (E: NTSC)
3-210-378-61 (KOREAN) (KR, JE)

Operating Guide
(HDR-SR5E/SR7E/SR8E)
3-210-379-11 (ENGLISH) (AEP, UK, AUS, E: PAL, HK, JE)
3-210-379-21 (FRENCH, DUTCH) (AEP)
3-210-379-31 (GERMAN, ITALIAN, TURKISH) (UK)
3-210-379-41 (SPANISH, PORTUGUESE, GREEK) (UK)
3-210-379-51 (RUSSIAN, SWEDISH) (UK, JE)
3-210-379-61 (DANISH, FINNISH, POLISH) (UK)
3-210-379-71 (CZECH, HUNGARIAN, SLOVAK) (UK)
3-210-379-81 (SIMPLIFIED CHINESE) (E:PAL, CH, JE)
3-210-380-31 (TRADITIONAL CHINESE) (HK)
3-210-380-41 (ARABIC, PORTUGUESE) (E: PAL)

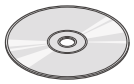
Handycam Station
(DCRA-C181)
1-821-168-21

Conversion (2P) Adaptor
⚠ 1-569-007-12 (E: NTSC, JE)

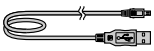


Component video cable
1-829-414-61

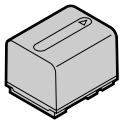
A/V connecting cable
1-823-156-61



DVD-ROM
"ENJOY HANDYCAM"
3-093-691-01 (KR)
ENGLESH/KOREAN/JAPANESE
3-093-691-11 (US, CND, E)
ENGLISH/FRENCH/SPANISH/PORTUGUESE
3-093-691-21 (UK)
ENGLISH/RUSSIAN/GERMAN
3-093-691-51 (AEP)
ENGLISH/FRENCH/GERMAN/DUTCH/PORTUGUESE/ITALIAN/RUSSIAN
3-093-691-61 (E: PAL, HK, AUS, CH)
ENGLISH/FRENCH/SIMPLIFIED CHINESE for CHINA/
TRADITIONAL CHINESE for HONG KONG
3-093-691-71 (E: NTSC)
ENGLISH/TRADITIONAL CHINESE for TAIWAN/SPANISH/PORTUGUESE



USB cable
1-829-579-41



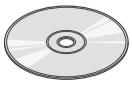
Rechargeable battery pack
(NP-FH60)
⚠ A-1201-666-A (US, CND)
⚠ A-1201-667-A (EXCEPT US, CND, CH)
⚠ A-1201-668-A (CH)

Wireless Remote Commander
(RMT-835)
1-479-275-41

21-Pin Adaptor
1-770-783-21 (AEP)

Handycam Handbook (PDF)

The CD-ROM supplied contains all of language version of the Instruction Manual in pdf (Handycam Handbook.pdf) for printing.
Note: The printed matter is not supplied. If required, please order it with the part number below.



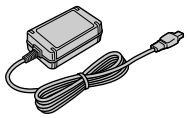
CD-ROM "Handycam Application Software"
(Picture Motion Browser (Software), Picture Motion Browser Guide, Handycam Handbook)
3-214-674-01

3-210-374-01 (JAPANESE) (SR7/SR8)
3-210-374-11 (ENGLISH) (SR5/SR5C/SR7/SR8)
3-210-374-21 (FRENCH) (SR5/SR5C/SR7/SR8)
3-210-374-31 (SPANISH) (SR5/SR5C/SR7/SR8)
3-210-374-41 (PORTUGUESE) (SR5/SR5C/SR7/SR8)
3-210-374-51 (TRADITIONAL CHINESE) (SR5/SR5C/SR7/SR8)
3-210-374-61 (KOREAN) (SR5/SR5C/SR7/SR8)
3-210-375-11 (ENGLISH) (SR5E/SR7E/SR8E)
3-210-375-21 (FRENCH) (SR5E/SR7E/SR8E)
3-210-375-31 (GERMAN) (SR5E/SR7E/SR8E)
3-210-375-41 (DUTCH) (SR5E/SR7E/SR8E)
3-210-375-51 (TURKISH) (SR5E/SR7E/SR8E)
3-210-375-61 (SPANISH) (SR5E/SR7E/SR8E)
3-210-375-71 (PORTUGUESE) (SR5E/SR7E/SR8E)
3-210-375-81 (ITALIAN) (SR5E/SR7E/SR8E)
3-210-375-91 (GREEK) (SR5E/SR7E/SR8E)
3-210-376-11 (RUSSIAN) (SR5E/SR7E/SR8E)
3-210-376-21 (SWEDISH) (SR5E/SR7E/SR8E)
3-210-376-31 (DANISH) (SR5E/SR7E/SR8E)
3-210-376-41 (FINNISH) (SR5E/SR7E/SR8E)
3-210-376-51 (POLISH) (SR5E/SR7E/SR8E)
3-210-376-61 (CZECH) (SR5E/SR7E/SR8E)
3-210-376-71 (HUNGARIAN) (SR5E/SR7E/SR8E)
3-210-376-81 (SLOVAK) (SR5E/SR7E/SR8E)
3-210-376-91 (SIMPLIFIED CHINESE) (SR5E/SR7E/SR8E)
3-210-377-11 (THAI) (SR5E/SR7E/SR8E)
3-210-377-21 (INDONESIAN) (SR5E/SR7E/SR8E)
3-210-377-31 (MALAY) (SR5E/SR7E/SR8E)
3-210-377-41 (TRADITIONAL CHINESE) (SR5E/SR7E/SR8E)
3-210-377-51 (ARABIC) (SR5E/SR7E/SR8E)
3-210-377-61 (PERSIAN) (SR5E/SR7E/SR8E)

• Refer to the page 5-1 for mark ⚠.

• J MODEL

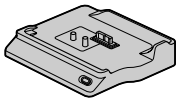
付属品



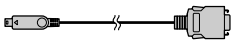
AC アダプター
(AC-L200/L200B)
⚠ 1-479-285-21

電源コード
⚠ 1-792-549-41

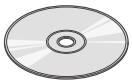
取扱説明書
3-210-378-01 (日本語)



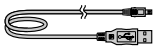
ハンディカムステーション
(DCRA-C180)
1-821-168-11



D端子コンポーネント
ビデオケーブル
1-829-414-11

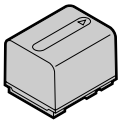


DVD-ROM
「エンジョイハンディーカム」
3-093-691-01
日本語/英語/韓国語



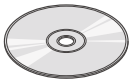
USBケーブル
1-829-579-41

A/V接続ケーブル
1-823-156-61



リチャージャブル
バッテリーパック
⚠ A-1201-665-A

ワイヤレスリモコン
(RMT-835)
1-479-275-31



CD-ROM「Handycam Application Software」
(Picture Motion Browser(ソフトウェア),
Picture Motion Browser ガイド,
ハンディカム ハンドブック)
3-214-674-01

ハンディカムハンドブック(PDF)

印刷用の取扱説明書.pdf (ハンディカムハンドブック.pdf)は
全ての言語が付属品のCD-ROMに含まれています。
注: 印刷物は付属されておりません。
必要な場合は下記部品番号にて注文となります。

3-210-374-01 (日本語)(SR7/SR8)
3-210-374-11 (英語)(SR5/SR5C/SR7/SR8)
3-210-374-21 (フランス語)(SR5/SR5C/SR7/SR8)
3-210-374-31 (スペイン語)(SR5/SR5C/SR7/SR8)
3-210-374-41 (ポルトガル語)(SR5/SR5C/SR7/SR8)
3-210-374-51 (中国語 (繁体字))(SR5/SR5C/SR7/SR8)
3-210-374-61 (韓国語)(SR5/SR5C/SR7/SR8)
3-210-375-11 (英語)(SR5E/SR7E/SR8E)
3-210-375-21 (フランス語)(SR5E/SR7E/SR8E)
3-210-375-31 (ドイツ語)(SR5E/SR7E/SR8E)
3-210-375-41 (オランダ語)(SR5E/SR7E/SR8E)
3-210-375-51 (トルコ語)(SR5E/SR7E/SR8E)
3-210-375-61 (スペイン語)(SR5E/SR7E/SR8E)
3-210-375-71 (ポルトガル語)(SR5E/SR7E/SR8E)
3-210-375-81 (イタリア語)(SR5E/SR7E/SR8E)
3-210-375-91 (ギリシア語)(SR5E/SR7E/SR8E)
3-210-376-11 (ロシア語)(SR5E/SR7E/SR8E)
3-210-376-21 (スウェーデン語)
(SR5E/SR7E/SR8E)
3-210-376-31 (デンマーク語)
(SR5E/SR7E/SR8E)
3-210-376-41 (フィンランド語)
(SR5E/SR7E/SR8E)
3-210-376-51 (ポーランド語)
(SR5E/SR7E/SR8E)
3-210-376-61 (チェコ語)(SR5E/SR7E/SR8E)
3-210-376-71 (ハンガリー語)
(SR5E/SR7E/SR8E)
3-210-376-81 (スロバキア語)
(SR5E/SR7E/SR8E)
3-210-376-91 (中国語 (簡体字))
(SR5E/SR7E/SR8E)
3-210-377-11 (タイ語)(SR5E/SR7E/SR8E)
3-210-377-21 (インドネシア語)
(SR5E/SR7E/SR8E)
3-210-377-31 (マレー語)(SR5E/SR7E/SR8E)
3-210-377-41 (中国語 (繁体字))
(SR5E/SR7E/SR8E)
3-210-377-51 (アラビア語)(SR5E/SR7E/SR8E)
3-210-377-61 (ペルシャ語)(SR5E/SR7E/SR8E)

• ⚠マークについては，5-1ページを参照して下さい。

HDR-SR5/SR5C/SR5E/SR7/SR7E/SR8/SR8E

RMT-835

SONY

LEVEL 2

SERVICE MANUAL

Ver. 1.2 2007. 10

US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model
Hong Kong Model
Chinese Model
Korea Model
Tourist Model
Japanese Model

SUPPLEMENT-1

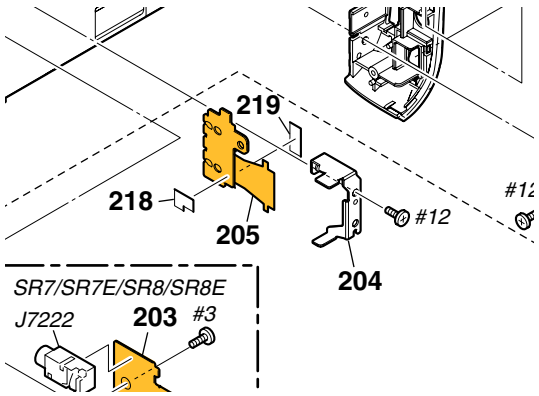
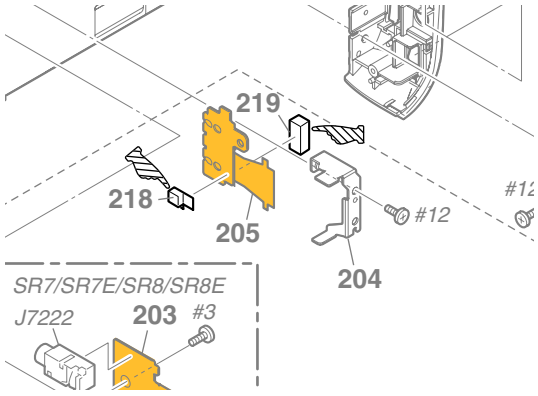
File this supplement with the service manual previously issued.
(DI07-142)

• Change of Repair Parts List

5. REPAIR PARTS LIST

5-1. EXPLODED VIEWS

: Points changed portion

Page	Before changed	After changed
5-2	**5-1-1. OVERALL SECTION-1** Ref. No. / Part No. / Description 8 / 1-797-659-11 / HDD (MK6008GAH-60GB) (SR7/SR7E)	**5-1-1. OVERALL SECTION-1** Ref. No. / Part No. / Description 8 / 1-797-821-11 / HDD (MK8009GAH-60GB) (SR7/SR7E)
5-6	**5-1-5. CABINET (L) SECTION-2** 	**5-1-5. CABINET (L) SECTION-2** 

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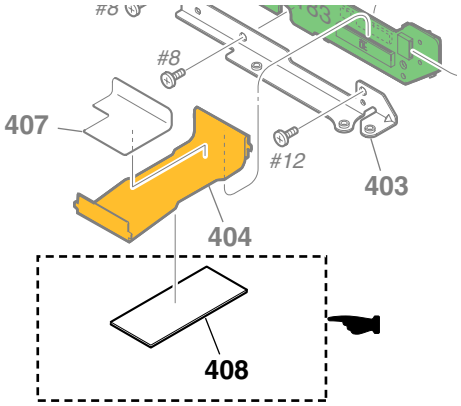
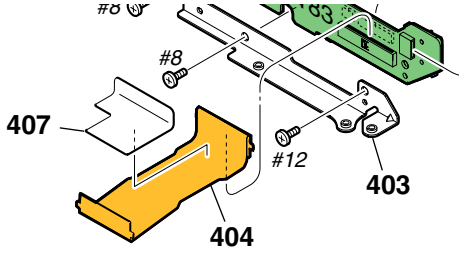
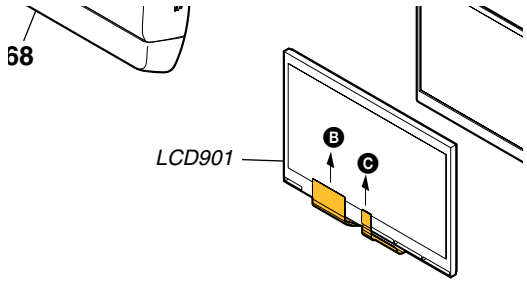
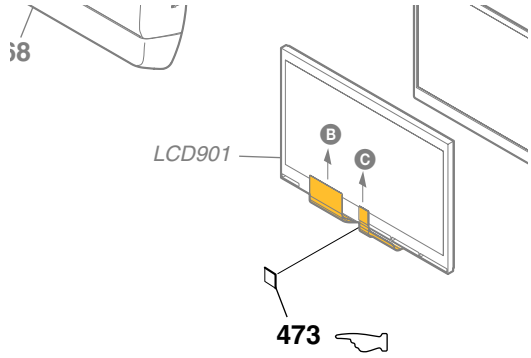
: Points added portion
: Points deleted portion

Page	Before changed	After changed
5-10	**5-1-9. CABINET (R) SECTION**  Ref. No. Part No. Description * 408 3-218-521-01 SHEET, FLEXIBLE ELECTROSTATIC	**5-1-9. CABINET (R) SECTION**  Ref. No. Part No. Description —
5-11	**5-1-10. LCD PANEL BLOCK**  Ref. No. Part No. Description —	**5-1-10. LCD PANEL BLOCK**  Ref. No. Part No. Description 473 2-590-635-01 TAPE AS 1/2

HDR-SR5/SR5C/SR5E/SR7/SR7E/SR8/SR8E

RMT-835

SONY

LEVEL 2

SERVICE MANUAL

Ver. 1.3 2007. 11

US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model
Hong Kong Model
Chinese Model
Korea Model
Tourist Model
Japanese Model

SUPPLEMENT-2

File this supplement with the service manual previously issued.
(DI07-208)

• Change of Electrical Parts List

5. REPAIR PARTS LIST

5-2. ELECTRICAL PARTS LIST

: Points changed portion

Page	Before changed	After changed
5-21	**PD-324 BOARD** Ref. No. Part No. Description * CN6101 1-785-905-51 FFC/CONNECTOR, FPC (ZIF) 24P * CN6105 1-785-905-51 FFC/CONNECTOR, FPC (ZIF) 24P	**PD-324 BOARD** Ref. No. Part No. Description * CN6101 1-819-913-71 CONNECTOR, FPC (ZIF) 24P * CN6105 1-819-913-71 CONNECTOR, FPC (ZIF) 24P

2007K0800-1
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HDR-SR5/SR5C/SR5E/SR7/SR7E/SR8/SR8E

RMT-835

SONY

LEVEL 2

SERVICE MANUAL

Ver. 1.4 2008. 07

US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model
Hong Kong Model
Chinese Model
Korea Model
Tourist Model
Japanese Model

SUPPLEMENT-3

File this supplement with the service manual previously issued.
(DI08-150)

- **Addition of HELP**
- **Addition and Change of Repair Parts List**
- **Revision of Accessories**

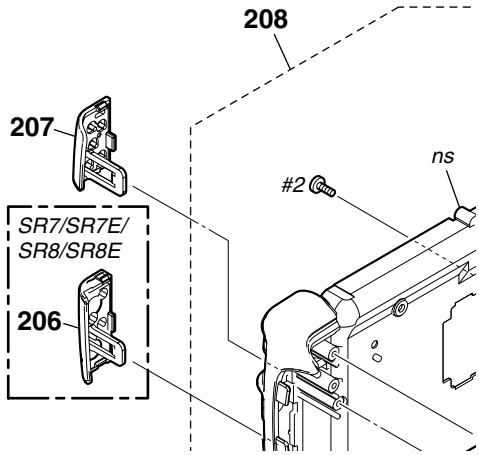
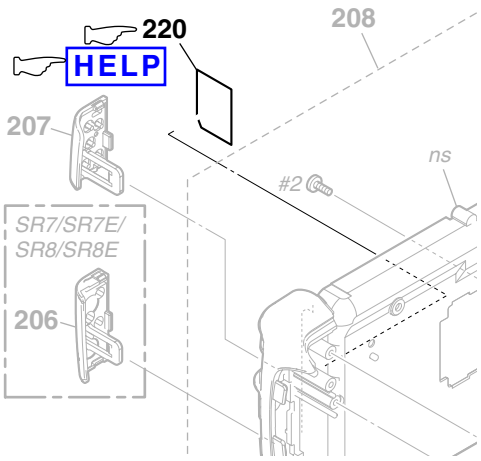
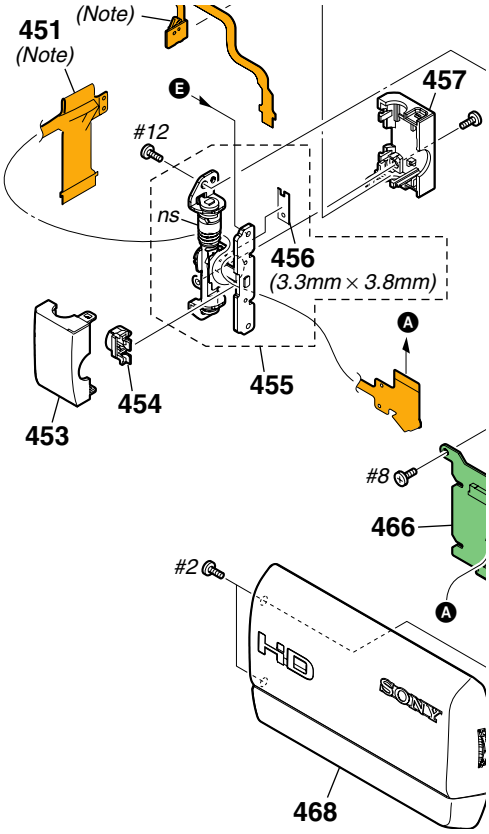
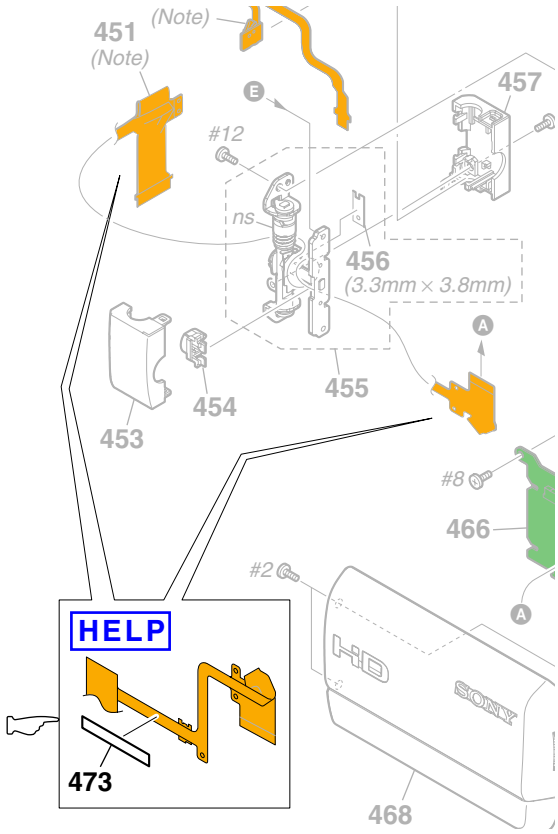
Note: Please refer to Ver. 1.4 of SERVICE MANUAL (9-852-202-32) for the revision of accessories.

HDR-SR5/SR5C/SR5E/SR7/SR7E/SR8/SR8E_L2
9-852-202-84
Sony EMCS Co.
2008G0800-1
©2008.07
Published by Kohda TEC

5. REPAIR PARTS LIST

5-1. EXPLODED VIEWS

: Points added portion

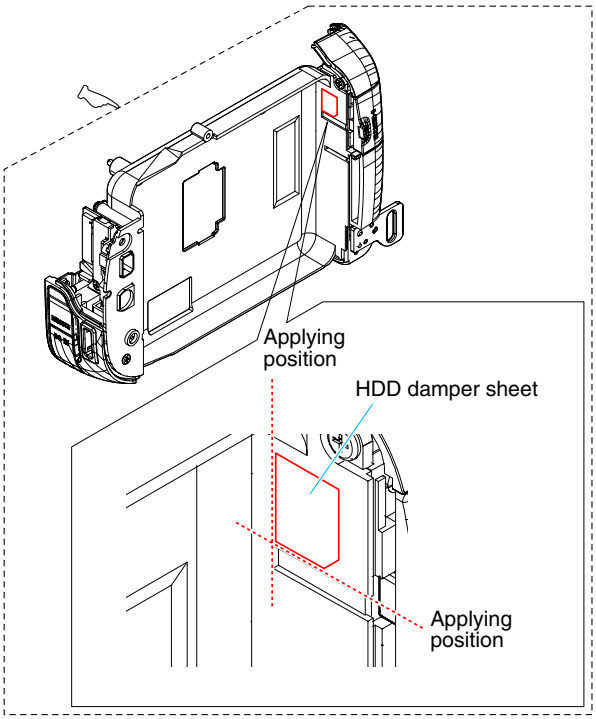
Page	Before changed	After changed
5-6	**5-1-5. CABINET (L) SECTION-2** ns: not supplied  Ref. No. Part No. Description	**5-1-5. CABINET (L) SECTION-2** ns: not supplied  Ref. No. Part No. Description 220 3-291-327-01 SHEET, HDD DAMPER
5-11	**5-1-10. LCD PANEL BLOCK** ns: not supplied  Ref. No. Part No. Description	**5-1-10. LCD PANEL BLOCK** ns: not supplied  Ref. No. Part No. Description * 473 3-879-389-01 SHEET (P)

HELP

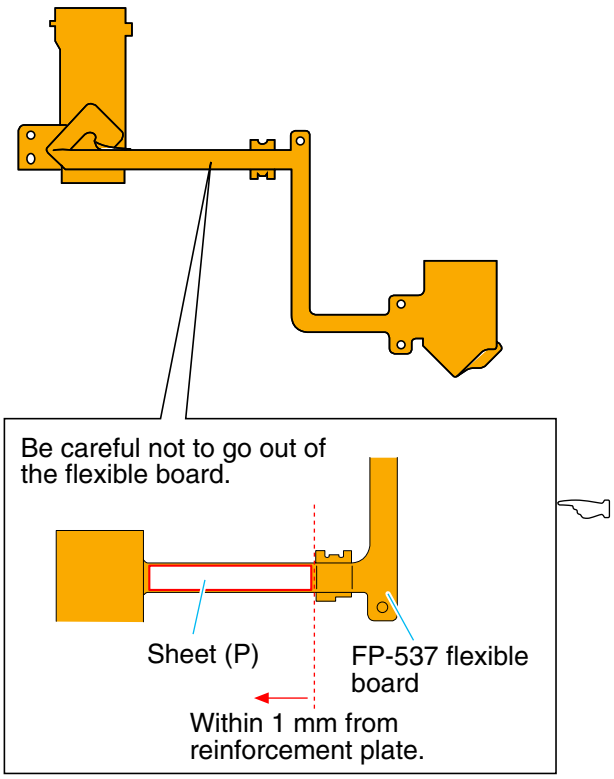
☞: Points added portion

Added contents

HDD DAMPER SHEET APPLYING POSITION

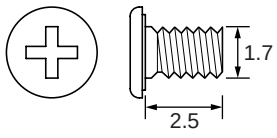


THE METHOD OF ATTACHMENT OF FP-537 FLEXIBLE BOARD AND FP-546 FLEXIBLE COMPLETE BOARD

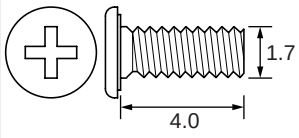


HARDWARE LIST (1/4)

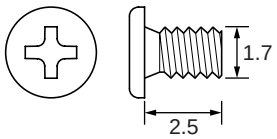
#1: M1.7 X 2.5
(Black)
2-635-562-11



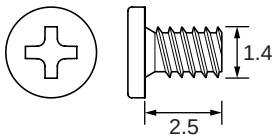
#2: M1.7 X 4.0
(Black)
2-635-562-31



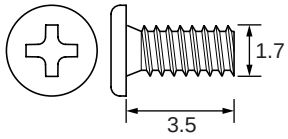
#3: M1.7 X 2.5
(Red)
2-660-401-01



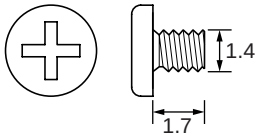
#4: M1.4 X 2.5 (Tapping)
(Dark Silver)
3-348-998-81



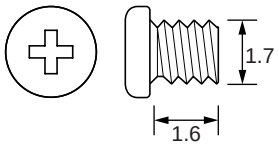
#5: M1.7 X 3.5 (Tapping)
(Black)
3-080-204-01



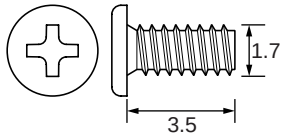
#6: M1.4 X 1.7
(Silver)
2-598-474-01



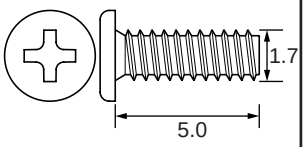
#7: M1.7 X 1.6
(Black)
7-627-552-18



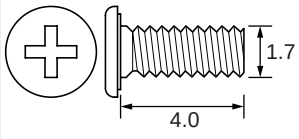
#8: M1.7 X 3.5 (Tapping)
(Silver)
3-078-890-01



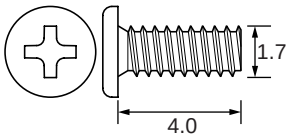
#9: M1.7 X 5.0 (Tapping)
(Silver)
3-078-890-21



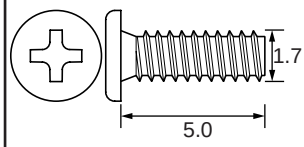
#10: M1.7 X 4.0
(Silver)
2-599-475-31



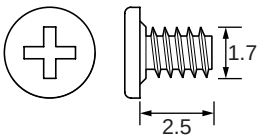
#11: M1.7 X 4.0 (Tapping)
(Silver)
3-078-890-11



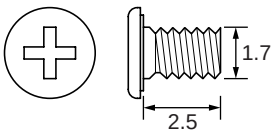
#12: M1.7 X 5.0 (Tapping)
(Black)
3-080-204-21



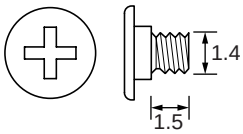
#13: M1.7 X 2.5 (Tapping)
(Silver)
3-085-397-01



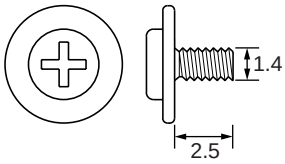
#14: M1.7 X 2.5
(Silver)
2-599-475-11



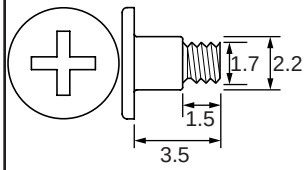
#15: M1.4 X 1.5
(Silver)
3-062-214-01



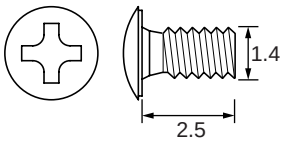
#16: M1.4 X 2.5
(Silver)
2-586-337-01



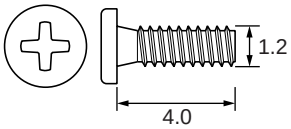
#17: M1.7 X 1.5
(Silver)
2-586-389-01



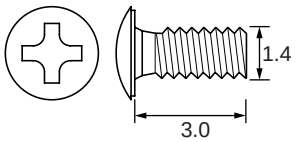
#18: M1.4 X 2.5
(Silver)
2-635-591-21



#19: M1.2 X 4.0 (Tapping)
(Red)
3-086-156-21

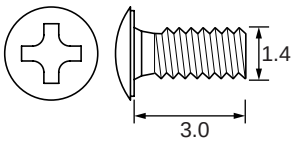


#20: M1.4 X 3.0
(Silver)
2-635-591-31

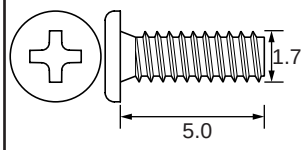


HARDWARE LIST (2/4)

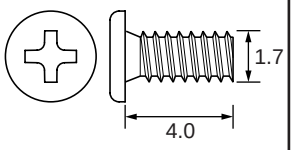
#21: M1.4 X 3.0
(Black)
2-662-396-21



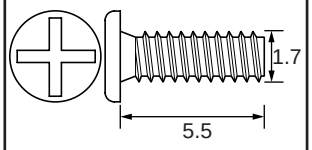
#22: M1.7 X 5.0 (Tapping)
(Silver)
3-083-261-01



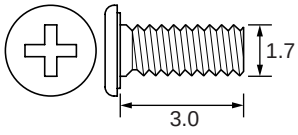
#23: M1.7 X 4.0 (Tapping)
(Black)
3-080-204-11



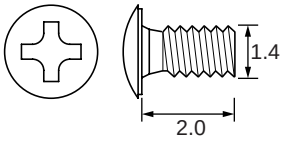
#24: B1.7 X 5.5 (Tapping)
(Black)
4-679-805-11



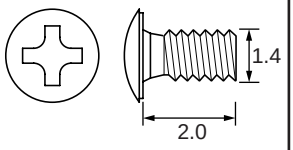
#25: M1.7 X 3.0
(Black)
2-635-562-21



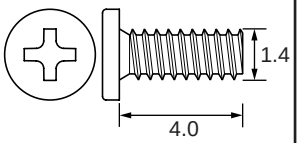
#26: M1.4 X 2.0
(Silver)
2-635-591-11



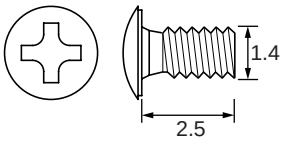
#27: M1.4 X 2.0
(Black)
2-662-396-11



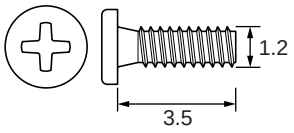
#28: M1.4 X 4.0 (Tapping)
(Dark Silver)
3-348-998-61



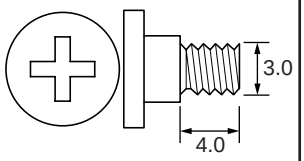
#29: M1.4 X 2.5
(Black)
2-662-396-01



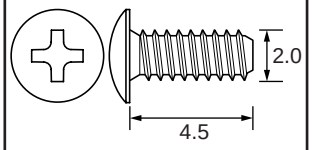
#30: M1.2 X 4.0 (Tapping)
(White)
3-086-156-11



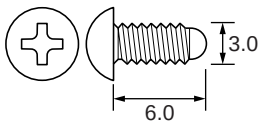
#31: M3.0 X 4.0
(Silver)
2-102-434-01



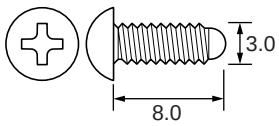
#32: M2.0 X 4.5 (Tapping)
(Silver)
2-102-498-01



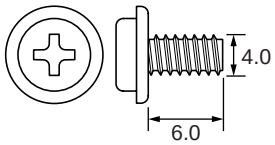
#33: M3.0 X 6.0
(Silver)
3-077-331-21



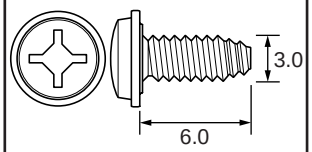
#34: M3.0 X 8.0
(Black)
3-077-331-41



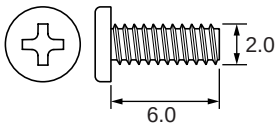
#35: M4.0 X 6.0 (Tapping)
(Silver)
3-975-291-02



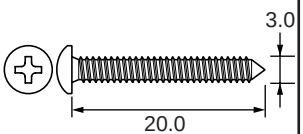
#36: M3.0 X 6.0
(Silver)
4-886-821-11



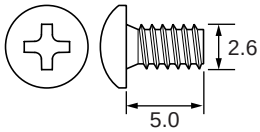
#37: M2.0 X 6.0 (Tapping)
(Black)
3-080-206-31



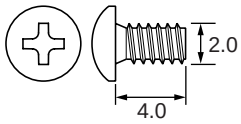
#38: M3.0 X 20.0 (Tapping)
(Silver)
7-685-651-79



#39: M2.6 X 5.0 (Tapping)
(Black)
7-685-791-09

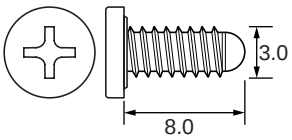


#40: M2.0 X 4.0 (Tapping)
(Silver)
7-685-851-04

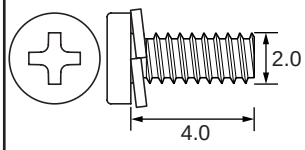


HARDWARE LIST (3/4)

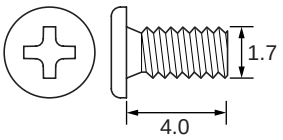
#41: M3.0 X 8.0 (Tapping)
(Silver)
3-065-748-01



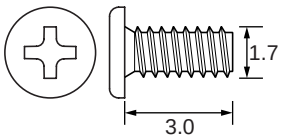
#42: M2.0 X 4.0 (Tapping)
(Silver)
7-628-253-00



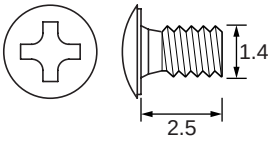
#43: M1.7 X 4.0
(Red)
2-660-401-31



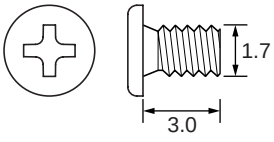
#44: M1.7 X 3.0 (Tapping)
(Silver)
3-078-890-61



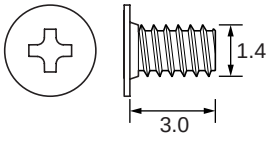
#45: M1.4 X 2.5
(Silver)
2-587-151-01



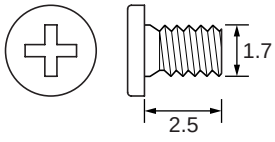
#46: M1.7 X 3.0
(Red)
2-660-401-11



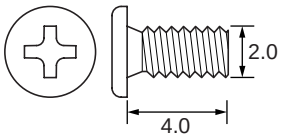
#47: M1.4 X 3.0 (Tapping)
(Silver)
2-665-774-01



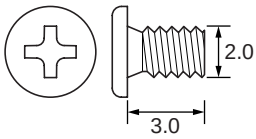
#48: M1.7 X 2.5
(Silver)
3-973-497-91



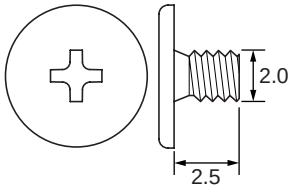
#49: M2.0 X 4.0
(Black)
2-630-005-31



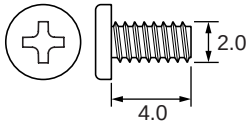
#50: M2.0 X 3.0
(Red)
2-891-494-11



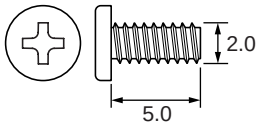
#51: M2.0 X 2.5
(Silver)
3-073-686-01



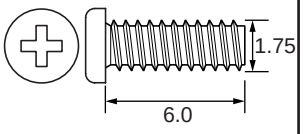
#52: M2.0 X 4.0 (Tapping)
(Black)
3-080-206-11



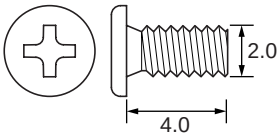
#53: M2.0 X 5.0 (Tapping)
(Black)
3-080-206-21



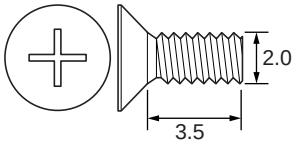
#54: M1.75 X 6.0 (Tapping)
(Black)
3-318-203-11



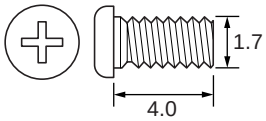
#55: M2.0 X 4.0
(Silver)
2-655-582-11



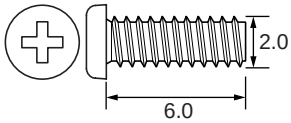
#56: M2.0 X 3.5
(Silver)
3-067-187-11



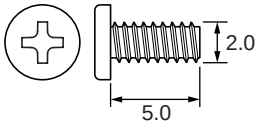
#57: M1.7 X 4.0
(Black)
7-627-852-18



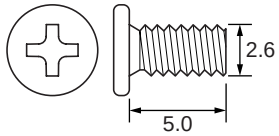
#58: M2.0 X 6.0 (Tapping)
(Silver)
3-719-408-11



#59: M2.0 X 5.0 (Tapping)
(Silver)
3-080-205-21

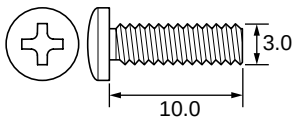


#60: M2.6 X 5.0
(Black)
3-061-062-11

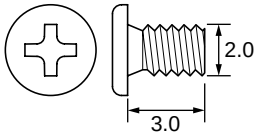


HARDWARE LIST (4/4)

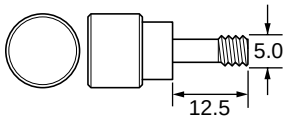
#61: M3.0 X 10.0
(Black)
7-682-549-09



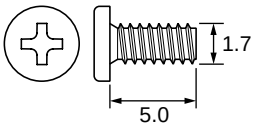
#62: M2.0 X 3.0
(Silver)
3-080-202-21



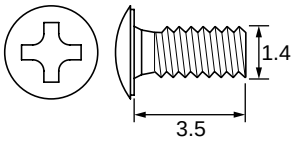
#63: M5.0 X 12.5
(Black)
3-060-811-21



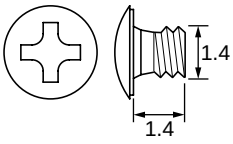
#64: M1.7 X 5.0 (Tapping)
(Silver)
2-666-551-21



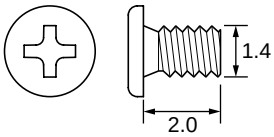
#65: M1.4 X 3.5
(Silver)
2-635-591-01



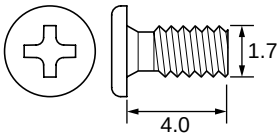
#66: M1.4 X 1.4
(Silver)
2-635-591-41



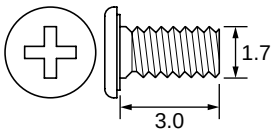
#67: M1.4 X 2.0
(Silver)
3-389-523-16



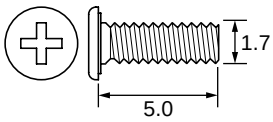
#68: M1.7 X 4.0
(Silver)
2-655-581-01



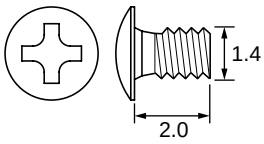
#69: M1.7 X 3.0
(Silver)
2-599-475-21



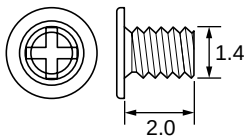
#70: M1.7 X 5.0
(Silver)
2-599-475-41



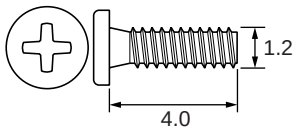
#71: M1.4 X 2.0
(Red)
3-208-537-01



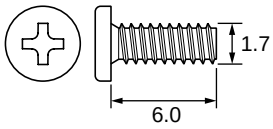
#72: M1.4 X 2.0
(Silver)
4-663-621-41



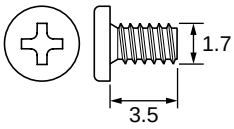
#73: M1.2 X 4.0 (Tapping)
(Black)
3-086-156-61



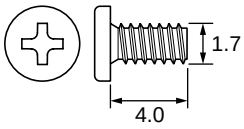
#74: M1.7 X 6.0 (Tapping)
(Silver)
2-666-551-31



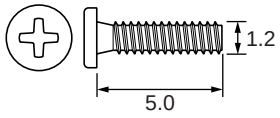
#75: M1.7 X 3.5 (Tapping)
(Silver)
2-666-551-01



#76: M1.7 X 4.0 (Tapping)
(Silver)
2-666-551-11



#77: M1.2 X 5.0 (Tapping)
(Silver)
3-086-156-31

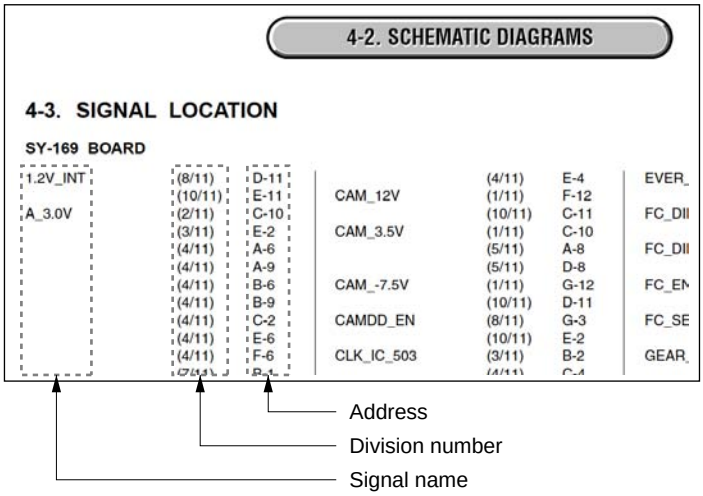


About this service manual

For the promotion of browse in the PDF format, the “TABLE OF CONTENTS” was eliminated. As an alternative means, use a conventional function, "Bookmark". It will help you search/display not all pages but the desired page. In addition, the page layout was changed so that each page is positioned in the center to improve the visibility on the screen.

In the circuit diagram section, the symbols (such as @001) indicating internal connections of the divided circuit diagrams were eliminated. As an alternative function, the "Signal Location" is added. Except "GND", the divided signal names are listed in alphabetical order for easy search of the divided circuit diagrams (division numbers) and addresses.

Example:



Of course, you can find the desired location by entering the signal name using the search function of the Acrobat, but it will take time to locate the one you want because the same words exist to and fro in the service manual.

In the PWB drawing section, the “MOUNTED PARTS LOCATION” was eliminated. To check the mounted part location, look at the enlarged view of the printed wiring board on which the desired part is mounted and enter the reference number for search with the Acrobat search function. If the corresponding part is found, it is highlighted and displayed in the center of the screen.

Revision History

Ver.	Date	History	Contents	S.M. Rev. issued
1.0	2007.05	Official Release	—	—
1.1	2007.06	Revised-1	• Correction of Model information table • Correction of BLOCK DIAGRAMS, SCHEMATIC DIAGRAMS, PRINTED WIRING BOARDS • Correction of EXPLODED VIEWS • Correction of Accessories S.M. Correction: Page 5, 3-1, 3-4, 3-5, 3-6, 3-7, 4-1, 4-2, 4-2. SCHMATIC DIAGRAMS 4-33, 4-38, 4-49, 4-72, 5-6, 5-7, 5-8, 5-9, 5-33, 5-34	Yes
1.2	2007.10	Supplement-1 (DI07-142)	• Change of Repair Parts List	No
1.3	2007.11	Supplement-2 (DI07-208)	• Change of Repair Parts List	No
1.4	2008.07	Supplement-3 (DI08-150)	• Addition of HELP • Addition and Change of Repair Parts List • Revision of Accessories S. M. Revised: Page 5-33, 5-34	Yes